



ENTERED

DEPARTMENT OF THE AIR FORCE
377TH CIVIL ENGINEER DIVISION (AFGSC)

Received
FEB 27 2023
NMED Hazardous Waste Bureau

21 February 2023

Gary J. Schneider
Base Civil Engineer
377th Civil Engineer Division
2050 Wyoming Blvd SE
Kirtland Air Force Base NM 87117

Rick Shean, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Bldg 1
Santa Fe, New Mexico 87505

Dear Mr. Shean

The purpose of this letter is to respond to the New Mexico Environment Department Hazardous Waste Bureau's letter dated 23 Jan 2023, granting extension to the 90-day accumulation time period as described in 40 CFR 262.17(b) for the 25 containers of hazardous waste described in the table below. All 25 containers shipped for disposal on 26 Jan 2023, on Uniform Hazardous Waste Manifest (UHWM) 013708190FLE (attachment 1), associated with Defense Logistics Agency (DLA) Delivery Order (DO) 23F2202 (attachment 2). Because the delivery order line number ("clin") for each container is referenced in the Special Handling and Additional Information blocks of the UHWM, it is also included in the table below for ease in cross-referencing the documents.

| Container # | Size (gal), Type | Weight (lbs) | EPA Codes | DO 23F2202 Line # | UHWM 013708190FLE Line # | Initial Extension Requested |
|-------------|------------------|--------------|------------------------------------|-------------------|--------------------------|-----------------------------|
| 202200619 | 5, poly, open | 6 | D003, D005, F003 | 28 | 20 | 22 Dec 2022 |
| 202200936 | 5, poly, open | 21 | D001, D005, D007, D008, D018, D035 | 14 | 8 | 22 Dec 2022 |
| 202200824 | 1, poly, open | 4 | D002 | 7 | 11 | 21 Nov 2022 |
| 202200861 | 14, poly, open | 29 | D001, D005, D007, D008, D018, D035 | 6 | 7 | 21 Nov 2022 |

KAFB5274



| Container # | Size (gal), Type | Weight (lbs) | EPA Codes | DO 23F2202 Line # | UHW 013708190FLE Line # | Initial Extension Requested |
|-------------|------------------|--------------|------------------------------------|-------------------|-------------------------|-----------------------------|
| 202200720 | 1, poly, open | 2 | D001, D003* | 33 | 2 | 18 Oct 2022 |
| 202200725 | 1, poly, open | 2 | D001, D003* | 10 | 3 | 18 Oct 2022 |
| 202200744 | 1, poly, open | 1 | D001, D035 | 22 | 9 | 18 Oct 2022 |
| 202200746 | 3.5, poly, open | 6 | D001 | 2 | 4 | 18 Oct 2022 |
| 202200638 | 30, poly, open | 38 | D002, D007, D011 | 18 | 18 | 18 Oct 2022 |
| 202200697 | 5, poly, open | 14 | D001 | 23 | 1 | 18 Oct 2022 |
| 202200700 | 1, poly, open | 4 | D002, D007 | 9 | 17 | 18 Oct 2022 |
| 202200640 | 55, poly, closed | 382 | D002, D007, D011 | 29 | 19 | 18 Oct 2022 |
| 202200626 | 55, poly, closed | 453 | D002 | 12 | 16 | 18 Oct 2022 |
| 202200644 | 30, poly, open | 37 | D002, D011** | 13 | 15 | 18 Oct 2022 |
| 202200604 | 5, poly, open | 13 | D001, D005, D007, D008, D018, D035 | 26 | 7 | 29 Sep 2022 |
| 202200520 | 5, poly, open | 6 | D003, D005, F003 | 28 | 20 | 29 Sep 2022 |
| 202200659 | 3.5, poly, open | 5 | D001 | 8 | 1 | 29 Sep 2022 |
| 202200713 | 20, poly, closed | 43 | D001, D002 | 17 | 5 | 29 Sep 2022 |
| 202200714 | 14, poly, closed | 27 | D002 | 24 | 14 | 29 Sep 2022 |
| 202200719 | 5, poly, closed | 12 | D002 | 30 | 13 | 29 Sep 2022 |

* Please reference initial extension request for these containers. Upon pre-shipment review of waste Safety Data Sheets (SDSs), Heritage initially indicated the containers would be acceptable for disposal if Kirtland Air Force Base (KAFB) added the D003 code for reactivity. After the code was added at Heritage's request, Heritage rejected both containers prior to shipment because they were coded as reactive waste. D003 had not been removed from the container records at the time the extension request was submitted. The SDSs associated with this waste (attachment 3, attachment 4) do not support a D003 characterization.

** D011 code retroactively added due to additional information provided by the shop in late Dec 2022 regarding the waste generating process.

| Container # | Size (gal), Type | Weight (lbs) | EPA Codes | DO 23F2202 Line # | UHWM 013708190FLE Line # | Initial Extension Requested |
|-------------|------------------|--------------|------------------|-------------------|--------------------------|-----------------------------|
| 202200751 | 3.5, poly, open | 11 | D002 | 19 | 12 | 29 Sep 2022 |
| 202101137 | 30, poly, open | 69 | D001, D002 | 15 | 6 | 29 Sep 2022 |
| 202100472 | 1, poly, open | 2 | P001, P075 | 3 | 21 | 30 Aug 2022 |
| 202200113 | 1, poly, open | 2 | P001, P075 | 1 | 21 | 30 Aug 2022 |
| 202200320 | 5, poly, open | 6 | D003, D005, F003 | 28 | 20 | 30 Aug 2022 |

On 5 Jul 2022, KAFB received email notification from the (now former) DLA disposal contractor, Heritage Environmental (“Heritage”), that a fire had occurred at their incinerator, Heritage Thermal Services (HTS), on 27 Jun 2022, and that the facility had halted operations pending repairs. Ultimately, Heritage did not return HTS to service prior to the expiration of their contract on 13 Dec 2022.

On 14 Dec 2022, DLA notified the customers of the Heritage contract that a follow-on contract had been awarded to Tradebe Environmental Services, LLC (“Tradebe”) on 2 Dec 2022. In discussions with Tradebe on 28 Dec 2022, KAFB received verbal approval to submit a DO request to DLA for all drums unable to ship because HTS was inoperable. KAFB submitted the request to DLA on 29 Dec 2022 for the 25 containers of waste described above, plus an additional eleven containers that were either characterized as non-hazardous or had not yet aged past the window for timely shipment. All 36 containers shipped on UHWM 013708190FLE on 26 Jan 2023.

KAFB appreciates NMED HWB’s patience and accommodations over the past several months as we have worked through this issue with DLA and their contractors. My point of contact for any questions regarding this matter is Mr. Isreal Tavarez, Chief, Environmental Compliance, at 505-846-8546 or isreal.tavarez@us.af.mil.

Sincerely



Digitally signed by
SCHNEIDER.GARY.J.1163518038
Date: 2023.02.21 16:47:49 -07'00'

GARY J. SCHNEIDER, GS-15, DAF
Base Civil Engineer

4 Attachments:

1. UHWM 013708190FLE
2. DO 23F2202
3. SDS for Container 202200720
4. SDS for Container 202200725

Please print or type.

| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator ID Number NH9570024423 | 2. Page 1 of 3 | 3. Emergency Response Phone 888-724-8366 | 4. Manifest Tracking Number 013708190 FLE | |
|--|--|---|--------------------------|--|---|-----------------------------------|
| 5. Generator's Name and Mailing Address KIMPLAND AIR FORCE BASE 2050 WINGLICK BLVD SW BLDG 20605 KIRKLAND AFB, TX, 77117 | | | | Generator's Site Address (if different than mailing address) | | |
| Generator's Phone: (505) 853-2486 | | | | | | |
| 6. Transporter 1 Company Name TRADEBE TRANSPORTATION, LLC | | | | U.S. EPA ID Number TNR000123497 | | |
| 7. Transporter 2 Company Name | | | | U.S. EPA ID Number | | |
| 8. Designated Facility Name and Site Address TRADEBE TREATMENT AND RECYCLING OF TENNESSEE, LLC. 5485 VICTORY LANE MILLINGTON TN, 38053 901-353-5291 | | | | U.S. EPA ID Number TND000772186 | | |
| Facility's Phone: | | | | | | |
| 9a. HM | 9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 10. Containers | | 11. Total Quantity | 12. Unit Wt./Vol. | 13. Waste Codes |
| | | No. | Type | | | |
| <input checked="" type="checkbox"/> | 1. , UN1950, WASTE ANGIOSOLS FLAMMABLE, 2.1, , | 5 | DF | 54 | P | DO01 |
| <input checked="" type="checkbox"/> | 2. , UN1963, WASTE FLAMMABLE LIQUIDS N.O.S. (DIMETHYL-DIMETHYLHYDROGEN POLYSILOXANE) 3, PG III, , | 1 | DF | 2 | P | DO01 |
| <input checked="" type="checkbox"/> | 3. , UN1963 WASTE FLAMMABLE LIQUIDS, NOS. (MIXTURE: DIMETHYLSILANOL DIMETHYL-KETONE- SODIUM- NAPHTHALENE COMPLEX) 3, PG. II, , | 1 | DF | 2 | P | DO01 |
| <input checked="" type="checkbox"/> | 4. , UN1992 FLAMMABLE LIQUID TOXIC N.O.S. (STYRENE MONOMER, INHIBITED, 4, 4 DIMETHYLBENZYLSTYRENE) 3, 6.1 PGIII, , | 1 | DF | 6 | P | DO01 |
| 14. Special Handling Instructions and Additional Information 1) ILOBB-22-PI01G7 HNS0 126 1x1 2x1 1x3 c11n 5 8 21 23 31 Contract # SP45002300003-SP450023F2202 2) XI-22-LF03C1 HNS0 120 1x1 c11n 33 Forward correspondence to: 3) XI-22-LF03C1 HNS0 120 1x1 c11n 10 Tradebe Treatment and Recycling, LLC 4) XI-22-LF03C1 HNS0 131 1x3 c11n 2 1343 Emery Avenue E. Chicago, IN 46312 | | | | | | |
| 15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true. | | | | | | |
| Generator's/Offeror's Printed/Typed Name Wheeler, Katrina E | | | | Signature <i>Katrina Wheeler</i> | | Month Day Year 01 26 23 |
| 16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____ | | | | | | |
| 17. Transporter Acknowledgment of Receipt of Materials | | | | | | |
| Transporter 1 Printed/Typed Name Javier Quintan | | | | Signature <i>Javier Quintan</i> | | Month Day Year 01 26 23 |
| Transporter 2 Printed/Typed Name | | | | Signature | | Month Day Year |
| 18. Discrepancy | | | | | | |
| 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection | | | | | | |
| Manifest Reference Number: | | | | | | |
| 18b. Alternate Facility (or Generator) | | | | U.S. EPA ID Number | | |
| Facility's Phone: | | | | | | |
| 18c. Signature of Alternate Facility (or Generator) | | | | Signature | | Month Day Year |
| 19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | | | | |
| 1. | | 2. | | 3. | | 4. |
| 20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a | | | | | | |
| Printed/Typed Name | | | | Signature | | Month Day Year |

| UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet) | | 21. Generator ID Number N M 9 5 7 0 0 2 4 1 2 3 | 22. Page 2 of 3 | 23. Manifest Tracking Number 0 1 3 7 0 8 1 9 0 F L E | | | | |
|---|--|---|---------------------------|--|------------------|-----------------|-----------------|--|
| 24. Generator Name and Address GENERAL AIR FORCE BASE 2050 WYOMING BLVD SE BLDG 20605 KIRTLAND AFB, NM, 87117 | | | | | | | | |
| 25. Transporter ³ _____ Company Name _____ | | | U.S. EPA ID Number _____ | | | | | |
| 26. Transporter ⁴ _____ Company Name _____ | | | U.S. EPA ID Number _____ | | | | | |
| 27a. HM | 27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 28. Containers | | 29. Total Quantity | 30. Unit WL/Vol. | 31. Waste Codes | | |
| | | No. | Type | | | | | |
| 6 | 6. , UN2831, WASTE NITRIC ACID, 8 (8.1), PG I, , | 1 | DP | 43 | P | n001 | n002 | |
| 6 | 6. , UN2834, WASTE FLAMMABLE LIQUID, CORROSIVE, N.O.S. (DIMETHYL PHTHALATE), 3, (8), PG II, , | 1 | DF | 69 | P | D001 | D002 | |
| 7 | 7. , NO, UN1990, WASTE ACROSOTIC, FLAMMABLE, X.T. (D007 D008 D018), , | 2 | DF | 42 | P | D001 | D005 | D007 D008 D018 D035 |
| 8 | 8. , NO, UN1133, WASTE ADHESIVES, 3, PG II, (D007 D008 D018), . | 1 | DF | 21 | P | n001 | n005 | n007 D008 D018 D035 |
| 8 | 8. , UN1981, FLAMMABLE LIQUIDS, N.O.S. (TETRAHYDROTHIOPAN, NITRYL METHYL KETONE), 3, PG II, , | 1 | DF | 1 | P | D001 | D035 | |
| 10 | 10. , UN2626 WASTE FLAMMABLE SOLIDS, TOXIC, ORGANIC, N.O.S. (METHANOL, METHYLENE CHLORIDE), 4.1 (6.1), PG. II, , | 2 | DF | 5 | P | D001 | D002 | D003 |
| 11 | 11. , UN2922, WASTE CORROSIVE LIQUIDS, N.O.S. (2,2-DIMETHYL-1,4-METHYLENEBIS-CYCLOHEXYLAMINE) 8, PG III, , | 1 | DF | 4 | P | D002 | | |
| 12 | 12. , UN3265 WASTE CORROSIVE LIQUID ACIDIC ORGANIC N.O.S. (PHTHALIC ANHYDRIDE) 8, PG II, , | 1 | DF | 11 | P | D002 | | |
| 13 | 13. , UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, HYDROFLUORIC ACID), 8, PG II, , | 1 | DF | 12 | P | D002 | | |
| 14 | 14. , UN3265, WASTE CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (ORGANIC STRONG ACID pH <1.0)), 8, PG III, . | 1 | DF | 27 | P | D002 | | |
| 32. Special Handling Instructions and Additional Information | | | | | | | | |
| 5) XI-22-LP03C3 HNS# 157 1x20 c11n 17 LP03C3 (L) 10) 18037-22-MI02C1 2x1 c11n 16 20 6) 11001-22-FL04C3 HNS# 132 1x30 c11n 15 11) AL010-22-LP01C1 HNS# 154 1x1 c11n 7 7) 11008-22-FL01C7 HNS# 126 1x14 1x5 c11n 6 26 12) AL010-22-LP01C1 HNS# 153 1x3 c11n 19 8) XI-22-LP03C1 HNS# 128 1x5 c11n 14 13) AL010-22-LP01C1 HNS# 154 1x5 c11n 30 9) XI-22-LP03C1 HNS# 128 1x1 c11n 22 14) AL010-22-LP01C2 HNS# 153 1x14 c11n 24 | | | | | | | | |
| 33. Transporter Acknowledgment of Receipt of Materials | | | | | | | | |
| Printed/Typed Name | | Signature | | Month Day Year | | | | |
| 34. Transporter Acknowledgment of Receipt of Materials | | | | | | | | |
| Printed/Typed Name | | Signature | | Month Day Year | | | | |
| 35. Discrepancy | | | | | | | | |
| 36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) | | | | | | | | |

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet) 21. Generator ID Number 0 2 4 4 2 3 22. Page 3 23. Manifest Tracking Label 9 0 F L E

24. GENERATOR AIR FORCE BASE
2050 WYOMING BLVD SE BLDG 20685
KIRTLAND AFB, NM, 87117

25. Transporter ^S Company Name U.S. EPA ID Number

26. Transporter ^R Company Name U.S. EPA ID Number

| 27a. HM | 27b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any)) | 28. Containers | | 29. Total Quantity | 30. Unit Wt./Vol. | 31. Waste Codes | | |
|---------|---|----------------|------|--------------------|-------------------|-----------------|------|------|
| | | No. | Type | | | | | |
| X | 15., NO. UN2031 WASTE NITRIC ACID SOLUTION 8, PG. II, (D011), . | 1 | DP | 37 | P | D002 | D011 | |
| X | 16., NO. UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, H.O.S. (NITRIC ACID SOLUTION), 8, PG I, (D002), . | 1 | DF | 453 | P | D002 | | |
| X | 17., UN1755 WASTE CHROMIC ACID SOLUTION, 8 PG. II, . | 1 | DF | 4 | P | D002 | D007 | |
| X | 18., NO. UN2031 WASTE NITRIC ACID SOLUTION 8 PG. II, (D007 D011), . | 1 | DP | 38 | P | D002 | D007 | D011 |
| X | 19., NO. UN2031 WASTE NITRIC ACID SOLUTION 8 PG. II, (D002 D007 D011), . | 1 | DF | 382 | P | D002 | D007 | D011 |
| X | 20., UN3132, WASTE WATER-INSOLUBLE SOLID, PHARMAN, H.O.S. (METHONIUM, METHANOL), 4.3, 4.1, PGII, . | 3 | DF | 18 | P | D003 | D005 | D007 |
| X | 21., UN3249, WASTE MEDICINE, SOLID, TOXIC, H.O.S. (WARFARIN, NICOTINE), 6.1, PGII, . | 3 | DF | 7 | P | P001 | P075 | |
| X | 22., UN1270 WASTE METANOL, 3 PG. II, . | 2 | DF | 42 | P | U300 | | |
| X | 23., UN1950 ACROBOLS, NON-PHARMAN, 2.2, . | 3 | DF | 40 | P | | | |

32. Special Handling Instructions and Additional Information
 15) B8001-22-CB14C3 HMG# 157 1x30 clin 13
 16) B8001-22-CB14C4 HMG# 154 1x55OV clin 12
 17) AL010-22-LP01C1 HMG# 154 1x1 clin 9
 18) B8001-22-CB14C3 HMG# 157 1x30 clin 18
 19) B8001-22-CB14C4 HMG# 154 1x55OV clin 12
 20) X12-22-KX10C1 HMG# 138 3x5 clin 28
 21) X12-22-LP11C1 HMG# 151 3x1 clin 1 3-4
 22) X12-22-LP12C1 HMG# 131 2x3 clin 25
 23) X1008-22-PL01C7 HMG# 128 1x11 1x3 1x5 clin 11 27*

33. Transporter Acknowledgment of Receipt of Materials
 Printed/Typed Name Signature Month Day Year

34. Transporter Acknowledgment of Receipt of Materials
 Printed/Typed Name Signature Month Day Year

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

NOTIFICATION FOR WASTE RESTRICTION FROM LAND DISPOSAL

| | |
|---|--|
| GENERATOR: Kirtland Air Force Base | ADDRESS: 2050 Wyoming Blvd SE |
| EPA ID #: NM9570024423 | Kirtland AFB, NM. 87117 |
| MANIFEST #: 013708190FLE | SP450023D0003 Delivery Order # 23F2202 |

LAND DISPOSAL RESTRICTION TABLE

| PG. 1 | Waste Stream | EPA Codes | Subcategory | Requires Treatment | F-codes | UHC's | NWW/WW |
|-------|-----------------|------------------------------------|------------------------------------|--------------------|------------|--|--------|
| 1 | IL008-22-FL01C7 | D001 | High TOC Ignitable | Y | | 3, 29, 104, 106, 183, 197 | NWW |
| 2 | ZI-22-LP03C1 | D001 | High TOC Ignitable | Y | | | NWW |
| 3 | ZI-22-LP03C1 | D001 | High TOC Ignitable | Y | | 141 | NWW |
| 4 | ZI-22-LP03C1 | D001 | High TOC Ignitable | Y | | | NWW |
| PG. 2 | Waste Stream | EPA Codes | Subcategory | Requires Treatment | F-codes | UHC's | NWW/WW |
| 5 | AL010-22-LP03C3 | D001 D002 | Other Ignitable Corrosive Waste | Y | | | NWW |
| 6 | IL081-22-FL04C3 | D001 D002 | High TOC Ignitable Corrosive Waste | Y | | 84,85 | NWW |
| 7 | IL008-22-FL01C7 | D001, D005, D007, D008, D018, D035 | High TOC Ignitable | Y | | 3 29 75 104 106 130 183 197 | NWW |
| 8 | ZI-22-LP03C1 | D001, D005, D007, D008, D018, D035 | High TOC Ignitable | Y | | 3, 29, 55, 104 106 130 137 166 183 197 216 | NWW |
| 9 | ZI-22-LP03C1 | D001, D035 | High TOC Ignitable | Y | | | NWW |
| 10 | IS057-22-FL02C1 | D001, F002, F003 | High TOC Ignitable | Y | 1 11 15 16 | 130 | NWW |
| 11 | AL010-22-LP01C1 | D002 | Corrosive Waste | Y | | | NWW |
| 12 | AL010-22-LP01C1 | D002 | Corrosive Waste | Y | | 169 | NWW |
| 13 | AL010-22-LP01C1 | D002 | Corrosive Waste | Y | | | NWW |
| 14 | AL-10-22-LP01C2 | D002 | Corrosive Waste | Y | | | NWW |
| PG. 3 | Waste Stream | EPA Codes | Subcategory | Requires Treatment | F-codes | UHC's | NWW/WW |
| 15 | BS001-22-CS14C3 | D002, D011 | Corrosive Waste | Y | | | NWW |
| 16 | BS001-22-CS14C4 | D002 | Corrosive Waste | Y | | | NWW |
| 17 | AL010-22-LP01C1 | D002 D007 | Corrosive Waste | Y | | 166 | NWW |
| 18 | BS001-22-CS14C3 | D002 D007 D011 | Corrosive Waste | Y | | 210 | NWW |
| 19 | BS001-22-CS14C4 | D002 D007 D011 | Corrosive Waste | Y | | 210 | NWW |
| 20 | ZP2-22-RX10C1 | D003 D005 F003 | Water Reactive | Y | 15 | | NWW |
| 21 | ZP-22-LP11C1 | P001 P075 | | Y | | | NWW |
| 22 | ZI-22-LP12C1 | U154 | | Y | | | NWW |
| 23 | | | | | | | |
| 24 | | | | | | | |

CERTIFICATION:

I HERBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ASSOCIATED DOCUMENTS IS COMPLETE AND IS ACCURATE TO THE BEST OF MY KNOWLEDGE AND INFORMATION.

Tubaloca
SIGNATURE

Physical Scientist
TITLE

20230126
DATE

UNIVERSAL TREATMENT STANDARDS - Code List

| Code | Constituent | Code | Constituent | Code | Constituent |
|--|---------------------------------------|------|--|------|--|
| F-CODE SOLVENTS | | | | | |
| 1 | Acetone | 53 | m-Cresol | 136 | Methylene Chloride |
| 2 | Benzene | 54 | p-Cresol | 138 | Methyl Ethyl Ketone |
| 3 | n-Butyl Alcohol | 55 | Chlorobenzene | 137 | Methyl Isobutyl Ketone |
| 4 | Carbon Disulfide | 56 | 1,2-Dichloro-3-chloropropene | 139 | Methyl Methacrylate |
| 5 | Carbon Tetrachloride | 57 | Ethylene Dibromide | 139 | Methyl Methacrylate |
| 6 | Chlorobenzene | 58 | Dibromomethane | 140 | Methyl Parathion |
| 7 | Cresol (o, m, or p isomers) | 59 | 2,4-D | 141 | Naphthalene |
| 8 | Crotylic Acid | 60 | p,p-DDD | 142 | 2-Naphthylamine |
| 9 | Cyclohexanone | 61 | p,p-DDD | 143 | o-Nitroaniline |
| 10 | 1,2-Dichlorobenzene | 62 | p,p-DDE | 144 | p-Nitroaniline |
| 11 | Ethyl Acetate | 63 | p,p-DDE | 145 | Nitrobenzene |
| 12 | Ethyl Benzene | 64 | p,p-DDT | 146 | 5-Nitro-o-toluidine |
| 13 | Ethyl Ether | 65 | p,p-DDT | 147 | o-Nitrophenol |
| 14 | Isobutanol | 66 | Dibenz(a,h)anthracene | 148 | p-Nitrophenol |
| 15 | Methanol | 67 | Dibenz(a,e)pyrene | 149 | N-Nitrosodiphenylamine |
| 16 | Methylene Chloride | 68 | m-Dichlorobenzene | 150 | N-Nitrosodimethylamine |
| 17 | Methyl Ethyl Ketone | 69 | o-Dichlorobenzene | 151 | N-Nitroso-n-butylamine |
| 18 | Methyl Isobutyl Ketone | 70 | p-Dichlorobenzene | 152 | N-Nitrosodiphenylamine |
| 19 | Nitrobenzene | 71 | Dichlorodibromomethane | 153 | N-Nitrosophthalate |
| 20 | Pyridine | 72 | 1,1-Dichloroethane | 154 | N-Nitrosopyridine |
| 21 | Tetrachloroethylene | 73 | trans-1,2-Dichloroethane | 155 | N-Nitrosopyridine |
| 22 | Toluene | 74 | 1,1-Dichloroethylene | 156 | Parathion |
| 23 | 1,1,1-Trichloroethane | 75 | 1,2-Dichloroethylene | 157 | PCBs TOTAL |
| 24 | 1,1,2-Trichloroethane | 76 | 2,4-Dichlorophenol | 158 | Pentachlorobenzene |
| 25 | 1,1,2-Trichloro-1,2,2-Trifluoroethane | 77 | 2,6-Dichlorophenol | 159 | PCDDs (All Pentachlorodibenzo-p-dioxins) |
| 26 | Trichloroethylene | 78 | 1,2-Dichloropropane | 160 | PCDFs (All Pentachlorodibenzofurans) |
| 27 | Trichloroethylene | 79 | cis-1,3-Dichloropropylene | 161 | Pentachloroethane |
| 28 | Xylene | 80 | trans-1,3-Dichloropropylene | 162 | Pentachloronitrobenzene |
| | | 81 | Dieldrin | 163 | Pentachlorophenol |
| | | 82 | Diethyl Phthalate | 164 | Phenacetic Acid |
| UNDERLYING HAZARDOUS CONSTITUENTS | | | | | |
| 1 | Acenaphthylene | 83 | 2,4-Dimethylphenol | 165 | Phenanthrene |
| 2 | Acenaphthene | 84 | Dimethyl Phthalate | 166 | Phenol |
| 3 | Acetone | 85 | Di-n-butyl phthalate | 167 | Phthalate |
| 4 | Acetone | 86 | 1,4-Dinitrobenzene | 168 | Phthalic Acid |
| 5 | Acetophenone | 87 | 4,6-Dinitro-o-cresol | 169 | Phthalic Anhydride |
| 6 | 2-Acetylnaphthalene | 88 | 2,4-Dinitrophenol | 170 | Prenamide |
| 7 | Acrolein | 89 | 2,4-Dinitrotoluene | 171 | Pyrene |
| 8 | Acrylamide | 90 | 2,6-Dinitrotoluene | 172 | Pyridine |
| 9 | Acrylonitrile | 91 | Di-n-octyl phthalate | 173 | Sulfate |
| 10 | Alkyl | 92 | p-Dimethylaminocobaltobenzene | 174 | Silica |
| 11 | 4-Aminobiphenyl | 93 | Di-n-propyltinocobaltobenzene | 175 | 2,4,5-T (Trichlorobenzoic Acid) |
| 12 | Aniline | 94 | 1,4-Dioxane | 176 | 1,2,4,5-Tetrachlorobenzene |
| 13 | Anthracene | 95 | Diphthalate | 177 | TCDDs (All Tetrachlorodibenzo-p-dioxins) |
| 14 | Aromatic | 96 | Diphenyltinocobaltobenzene | 178 | TCDFs (All Tetrachlorodibenzofurans) |
| 15 | alpha-BHC | 97 | 1,2-Diphenylhydrazine | 179 | 1,1,1,2-Tetrachloroethane |
| 16 | beta-BHC | 98 | Disulfide | 180 | 1,1,2,2-Tetrachloroethane |
| 17 | delta-BHC | 99 | Endosulfan I | 181 | Tetrachloroethylene |
| 18 | gamma-BHC (Lindane) | 100 | Endosulfan II | 182 | 2,3,4,6-Tetrachlorophenol |
| 19 | Benzene | 101 | Endosulfan Sulfate | 183 | Toluene |
| 20 | Benz(a)anthracene | 102 | Endrin | 184 | Tempone |
| 21 | Benzal Chloride | 103 | Enbin Aldehyde | 185 | Tribromomethane |
| 22 | Benz(a)fluoranthene | 104 | Ethyl Acetate | 186 | 1,2,4-Trichlorobenzene |
| 23 | Benz(a)fluoranthene | 105 | Ethyl Cyanide (Propionitrile) | 187 | 1,1,1-Trichloroethane |
| 24 | Benz(a,h)perylene | 106 | Ethyl Benzene | 188 | 1,1,2-Trichloroethane |
| 25 | Benz(a)pyrene | 107 | Ethyl Ether | 189 | Trichloroethylene |
| 26 | Bromodichloroethane | 108 | bis(2-ethylhexyl)phthalate | 190 | Trichloroethanol |
| 27 | Methyl Bromide | 109 | Ethylmethacrylate | 191 | 2,4,5-Trichlorophenol |
| 28 | 4-Ternaphenyl Phenyl Ether | 110 | Ethylene Oxide | 192 | 2,4,6-Trichlorophenol |
| 29 | n-Butanol | 111 | Fenflar | 193 | 1,2,3-Trichloropropane |
| 30 | Butyl Benzyl Phthalate | 112 | Fluoranthene | 194 | 1,1,2-Trichloro-1,2,2-Trifluoroethane |
| 31 | 2-sec-Butyl-4,6-dinitrophenol | 113 | Fluorene | 195 | cis-(2,5-dibromopropyl) phosphate |
| 32 | Carbon Disulfide | 114 | Heptachlor | 196 | Vinyl Chloride |
| 33 | Carbon Tetrachloride | 115 | Heptachlor Epoxide | 197 | Xylene Mixed isomers |
| 34 | Chloroethane (alpha & gamma isomers) | 116 | Hexachlorobenzene | 198 | Anilinic |
| 35 | p-Chloroethane | 117 | Hexachlorobutadiene | 199 | Arsenic |
| 36 | Chlorobenzene | 118 | Hexachlorocyclopentadiene | 200 | Barium |
| 37 | Chlorobenzonitrile | 119 | hxCDDs (All Hexachlorodibenzo-p-dioxins) | 201 | Beryllium |
| 38 | 2-Chloro-1,3-butadiene | 120 | hxCDFs (All Hexachlorodibenzofurans) | 202 | Cadmium |
| 39 | Chlorodibromomethane | 121 | Heptachloroethane | 203 | Chromium [Total] |
| 40 | Chloroethane | 122 | Hexachloropropylene | 204 | Cyanide [Total] |
| 41 | bis(2-Chloroethyl)amine | 123 | Indane (1,2,3-cd) pyrene | 205 | Cyanide [Extractable] |
| 42 | bis(2-Chloroethyl)ether | 124 | Methane | 206 | Fenflar |
| 43 | Chloroform | 125 | Isobutyl Alcohol | 207 | Lead |
| 44 | bis(2-Chloroisopropyl)ether | 126 | Isodrin | 208 | Mercury - Nonmethylmercury from RETORT |
| 45 | p-Chloro-m-cresol | 127 | Isosulfate | 209 | Mercury - All others |
| 46 | 2-Chloroethyl Vinyl Ether | 128 | Kapone | 210 | Nickel |
| 47 | Chloromethane | 129 | Methacrylonitrile | 211 | Selenium |
| 48 | 2-Chloronaphthalene | 130 | Methanol | 212 | Silver |
| 49 | 2-Chlorophenol | 131 | Methylamine | 213 | Sulfide |
| 50 | 3-Chloropropylene | 132 | Methacrylonitrile | 214 | Thallium |
| 51 | Chrysene | 133 | 3-Methylchlorethene | 215 | Vanadium |
| 52 | o-Cresol | 134 | 4,4-Methylene-bis(2-chloroaniline) | 216 | Zinc |

Task Order Pickup Report

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Task Order Pickup Report: 17-JAN-2023 08:32:07 PM

CONTRACT: SP450023D0003 | PIID: SP450023F2202 | ISSUE DT: 13-JAN-2023 | RDD: 12-FEB-2023

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| 0000000001 | FH4469 | AAXF3012 | FH44692363W001 | LP11C1 | 1 | EA | \$125.59 | \$125.59 | | | | |
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T066 KIRTLAND AFB 9999DSLSTDEB, RX-P-LISTED, UN3249, WASTE MEDICINE, SOLID, TOXIC, N.O.S. (WARFARIN, NICOTINE), 6.1, PGII, 6.1, II, P001 P075, WASTE P-LISTED PHARMACEUTICALS AND CONTAINERS, WASTE P-LISTED PHARMACEUTICALS AND CONTAINERS, WARFARIN (ALL CONCENTRATIONS), NICOTINE, 1, X1 GAL DF, 03-Jun-2022, NM9570024423, 202200113 1024 2 P, WT/VOL 2 P, Constituents NICOTINE PCT 1.0 SODIUM WARFARIN PCT 0.5

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| 0000000002 | FH4469 | AAXS3012 | FH44692363W009 | LP03C1 | 1 | EA | \$116.96 | \$116.96 | | | | |
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T066 KIRTLAND AFB 6810DSHMFLAML, EXFL-AMINES1992, UN1992 FLAMMABLE LIQUID TOXIC N.O.S. (CONTAINS STYRENE MONOMER, INHIBITED AND 4, 4 DIAMONDIPHENYLMETHANE) 3, 6.1 PGIII, 3, 6.1, III, D001, EXCESS EXPIRED FLAMMABLE LIQUIDS AMINES, EXCESS EXPIRED FLAMMABLE LIQUIDS AMINES, 1, 1 3.5 GAL DF, 22-Jul-2022, NM9570024423, 202200746 1024 6 P, WT/VOL 6 P

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| 0000000003 | FH4469 | AAXG3012 | FH44692363W002 | LP11C1 | 1 | EA | \$125.59 | \$125.59 | | | | |
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T066 KIRTLAND AFB 9999DSLSTDEB, RX-P-LISTED, UN3249, WASTE MEDICINE, SOLID, TOXIC, N.O.S. (WARFARIN, NICOTINE), 6.1, PGII, 6.1, II, P001 P075, WASTE P-LISTED PHARMACEUTICALS AND CONTAINERS, WASTE P-LISTED PHARMACEUTICALS AND CONTAINERS, WARFARIN (ALL CONCENTRATIONS), NICOTINE, 1, 1 1 GAL DF, 02-Jun-2022, NM9570024423, 202100472 1024 2 P, WT/VOL 2 P, Constituents NICOTINE PCT 1.0 SODIUM WARFARIN PCT 0.5

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| 0000000004 | FH4469 | AASF3012 | FH44692321W001 | LP11C1 | 1 | EA | \$125.59 | \$125.59 | | | | |
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T066 KIRTLAND AFB 9999DSLSTDEB, RX-P-LISTED, UN3249, WASTE MEDICINE, SOLID, TOXIC, N.O.S. (WARFARIN, NICOTINE), 6.1, PGII, 6.1, II, P001 P075, WASTE P-LISTED PHARMACEUTICALS AND CONTAINERS, WASTE P-LISTED PHARMACEUTICALS AND CONTAINERS, WARFARIN (ALL CONCENTRATIONS), NICOTINE, 1, 1 1 GAL DF, 17-Nov-2022, NM9570024423, 202200461 1024 3 P, WT/VOL 3 P, Constituents NICOTINE PCT 1.0 SODIUM WARFARIN PCT 0.5

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CONTRACT: SP450023D0003 | PIID: SP450023F2202 | ISSUE DT: 13-JAN-2023 | RDD: 12-FEB-2023

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| 0000000005 | FH4469 | AAPP3012 | FH44692313W014 | FL01C7 | 30 | LB | \$4.18 | \$125.40 | | | | |
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T066 KIRTLAND AFB 8010DSAERFLAM, HWX-FAERO, UN1950, WASTE AEROSOLS FLAMMABLE, 2.1, 2.1, NA, D001, EXCESS EXPIRED FLAMMABLE AEROSOLS, EXCESS EXPIRED FLAMMABLE AEROSOLS, UHC CODES:104 106 130 183 197 29 3, 1,X 14 GAL DF, 08-Nov-2022, NM9570024423, 202200973 1024 30 P, WTVOL 30 P, Constituents ETHYLBENZENE MG/KG 10.0 1-BUTANOL MG/KG 2.6 ACETONE MG/KG 160.0 TOLUENE MG/KG 10.0 ETHYL ACETATE MG/KG 33.0 XYLENE MG/KG 30.0 METHANOL MG/L 0.76

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| 0000000006 | FH4469 | AAP13012 | FH44692265W008 | FL01C7 | 29 | LB | \$4.18 | \$121.22 | | | | |
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T066 KIRTLAND AFB 8010DSAERFLAM, HWX-FTAERO, UN1950, WASTE AEROSOLS, FLAMMABLE, 2.1, 2.1, NA, D001 D005 D007 D008 D018 D035, EXCESS EXPIRED FLAMMABLE TOXIC AEROSOLS, EXCESS EXPIRED FLAMMABLE TOXIC AEROSOLS, UHC CODES:104 106 130 183 197 29 3 75, 1, X14 GAL DF, 22-Sep-2022, NM9570024423, 202200861 1024 29 P, WTVOL 29 P, Constituents TRANS-1,2-DICHLOROETHYLENE MG/KG 30.0 XYLENE MG/KG 30.0 TOLUENE MG/KG 10.0 METHANOL MG/L 0.75 1-BUTANOL MG/KG 2.6 ETHYLBENZENE MG/KG 10.0 ACETONE PCT 1.0 ISOBUTYL ALCOHOL KG/L 170.0 ETHYL ACETATE MG/KG 33.0

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| 0000000007 | FH4469 | AAPE3012 | FH44692258W001 | LP01C1 | 1 | EA | \$45.00 | \$45.00 | | | | |
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T066 KIRTLAND AFB 6810DSHMCORAC, HWX-CLASS8, UN2922, WASTE CORROSIVE LIQUIDS, N.O.S. ((2,2-DIMETHYL-4,4-METHYLENEBIS-CYCLOHEXYLAMINE) 8, PG III, 8, III, D002, EXCESS EXPIRED LIQUIDS, EXCESS EXPIRED LIQUIDS, 1, X1 GAL DF, 15-Sep-2022, NM9570024423, 202200824 1024 4 P, WTVOL 4 P

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| 0000000008 | FH4469 | AAON3012 | FH44692210W005 | FL01C7 | 1 | LB | \$4.18 | \$4.18 | | | | |
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T066 KIRTLAND AFB 8010DSAERFLAM, HWX-FAERO, UN1950, WASTE AEROSOLS FLAMMABLE, 2.1, 2.1, NA, D001, EXCESS EXPIRED FLAMMABLE AEROSOLS, EXCESS EXPIRED FLAMMABLE AEROSOLS, UHC CODES:104 106 130 183 197 29 3, 1, 1 3.5 GAL DF, 22-Jul-2022, NM9570024423, 202200659 1024 5 P, WTVOL 5 P, Constituents ETHYLBENZENE MG/KG 10.0 1-BUTANOL MG/KG 2.6 ACETONE MG/KG 160.0 TOLUENE MG/KG 10.0 ETHYL ACETATE MG/KG 33.0 XYLENE MG/KG 30.0 METHANOL MG/L 0.76

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| 000000009 | FH4469 | AAOT3012 | FH44692217W001 | LP01C1 | 1 | EA | \$45.00 | \$45.00 | | | | |
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T066 KIRTLAND AFB 8030014600246, HWX-ALODINE, UN1755 WASTE CHROMIC ACID SOLUTION, 8 PG. II, 8, II, D002 D007, EXCESS EXPIRED ALODINE, EXCESS EXPIRED ALODINE, UHC CODES:166, 1,X 1 GAL DF, 05-Aug-2022, NM9570024423, 202200700 1024 4 P, WT/VOL 4 P, Constituents PHENOL MG/KG 6.2

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| 000000010 | FH4469 | AAPK3012 | FH44692285W006 | LP03C1 | 1 | EA | \$116.96 | \$116.96 | | | | |
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T066 KIRTLAND AFB 6810DSHMFLAML, EXFL-SODIUMNAP, UN1993 WASTE FLAMMABLE LIQUIDS, NOS, (MIXTURE: DIETHYLENE GLYCOL DIMETHYL ETHER-SODIUM- NAPHTHALENE COMPLEX) 3 PG. II, 3, II, D001, EXCESS EXPIRED FLAMMABLE LIQS-SURFACE BONDING TREAT, EXCESS EXPIRED FLAMMABLE LIQS-SURFACE BONDING TREAT, UHC CODES:141, 1, 1 1 GAL DF, 22-Jul-2022, NM9570024423, 202200725 1024 2 P, WT/VOL 2 P, Constituents NAPHTHALENE MG/KG 5.6

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| 000000011 | FH4469 | AAPM3012 | FH44692313W011 | FL01C7 | 6 | LB | \$4.18 | \$25.08 | | | | |
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T066 KIRTLAND AFB 6850DSAERNR00, NHX-AERO, UN1950 AEROSOLS, NON-FLAMMABLE, 2.2, 2.2, NA, WASTE NON HAZARDOUS AEROSOL, WASTE NON HAZARDOUS AEROSOL, 1, 1 3.5 GAL DF, 08-Nov-2022, NM9570024423, 202200970 1024 6 P, WT/VOL 6 P

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| 000000012 | FH4469 | AAXO3012 | FH44692363W006 | CS14C4 | 1 | EA | \$203.73 | \$203.73 | | | | |
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T066 KIRTLAND AFB 6810DSACIDINO, HW-IN-O LIQ-NITRIC, UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID SOLUTION), 8, PG I, 8, I, D002, INORGANIC LIQUIDS GENERATED FROM LABORATORY EXPERI, INORGANIC LIQUIDS GENERATED FROM LABORATORY EXPERI, 1, X 55 GAL DF, 05-Aug-2022, NM9570024423, 202200626 1024 453 P, WT/VOL 453 P

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| 0000000013 | FH4469 | AAOV3012 | FH44692217W010 | CS14C3 | 1 | EA | \$140.26 | \$140.26 | | | | |
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T066 KIRTLAND AFB 6810DSACIDINO, HW-MIRRORC-S, UN2031 WASTE NITRIC ACID SOLUTION 8 PG. II, 8, II, D002 D011, SOLIDS AND FREE LIQUID FROM MIRROR STRIPPING (MIRRORSTRIP C), SOLIDS AND FREE LIQUID FROM MIRROR STRIPPING (MIRRORSTRIP C), 1,X 30 GAL DF, 05-Aug-2022, NM9570024423, 202200644 1024 37 P, WT/VOL 37 P

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| 0000000014 | FH4469 | AAXU3012 | FH44692363W010 | LP03C1 | 1 | EA | \$116.96 | \$116.96 | | | | |
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T066 KIRTLAND AFB 6810DSHMFLAML, HWX-ADHSV, UN1133, WASTE ADHESIVES, 3, PG II, 3, II, D001 D005 D007 D008 D018 D035, EXCESS EXPIRED FLAMMABLE TOXIC LIQUIDS WITH TOLUENE, EXCESS EXPIRED FLAMMABLE TOXIC LIQUIDS WITH TOLUENE, UHC CODES:104 106 130 137 166 183 197 216 29 3 55, 1, 1 5 GAL DF, 26-Oct-2022, NM9570024423, 202200936 1024 21 P, WT/VOL 21 P, Constituents XYLENE MG/KG 30.0 ACETONE MG/KG 160.0 TOLUENE MG/KG 10.0 METHYL ISOBUTYL KETONE MG/KG 33.0 ZINC MG/L 4.3 1-BUTANOL MG/KG 2.6 METHANOL MG/L 0.75 CYCLOHEXANONE MG/L 0.75 ETHYLBENZENE MG/KG 10.0 PHENOL MG/KG 6.2 ETHYL ACETATE MG/KG 33.0

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| 0000000015 | FH4469 | AAOL3012 | FH44692207W001 | FL04C3 | 1 | EA | \$370.50 | \$370.50 | | | | |
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T066 KIRTLAND AFB 9999DSFLAMDEB, CHEMLITES, UN2924, WASTE FLAMMABLE LIQUID, CORROSIVES, N.O.S. (DIMETHYL PHTHALATE), 3, 8, PGII, 3, 8, II, D001 D002, SPENT CHEMLITES, SPENT CHEMLITES, LDR F CODES:,UHC CODES:84 85, 1,X 30 GAL DF, 26-Jul-2022, NM9570024423, 202101137 1024 69 P, WT/VOL 69 P, Constituents DIMETHYL PHTHALATE MG/L 26.0 DIBUTYL PHTHALATE MG/L 28.0

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| 0000000016 | FH4469 | AAWU3012 | FH44692335W001 | TX07C1 | 1 | EA | \$50.00 | \$50.00 | | | | |
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T066 KIRTLAND AFB 6810DSTOXSOL0, HW-CHEMLAB-S, UN2926 WASTE FLAMMABLE SOLIDS, TOXIC, ORGANIC, N.O.S. (METHANOL, METHYLENE CHLORIDE), 4.1, 6.1, PG. II, 4.1, 6.1, II, D001 F002 F003, SOLIDS CONTAMINATED WITH SPENT CALIBRATION LIQUID, SOLIDS CONTAMINATED WITH SPENT CALIBRATION LIQUID, LDR F CODES:1 11 15 16 , UHC CODES:130, 1, 1 1 GAL DF, 01-Dec-2022, NM9570024423, 202201001 1024 2 P, WT/VOL 2 P, Constituents METHYLENE CHLORIDE PCT 10.0 METHANOL MG/L 0.75 ACETONE PCT 10.0 ETHYL ACETATE PCT 10.0

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| 0000000017 | FH4469 | AAOY3012 | FH44692222W008 | LP01C3 | 1 | EA | \$175.00 | \$175.00 | | | | |
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T066 KIRTLAND AFB 6810DSACIDINO, EXCIL-NITRIC, UN2031, WASTE NITRIC ACID, 8 (5.1), PG I, 8, 5.1, I, D001 D002, EXCESS EXPIRED NITRIC ACID 65% - 70%, EXCESS EXPIRED NITRIC ACID 65% - 70%, 1X 20 GAL DF, 22-Jul-2022, NM9570024423, 202200713 1024 43 P, WT/VOL 43 P

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| 0000000018 | FH4469 | AAOQ3012 | FH44692215W007 | CS14C3 | 1 | EA | \$140.26 | \$140.26 | | | | |
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T066 KIRTLAND AFB 6810DSACIDINO, HW-NICHROME-S, UN2031 WASTE NITRIC ACID SOLUTION 8 PG. II, 8, II, D002 D007 D011, SOLIDS AND FREE LIQUID FROM MIRROR STRIPPING (GREEN RIVER), SOLIDS AND FREE LIQUID FROM MIRROR STRIPPING (GREEN RIVER), UHC CODES:210, 1, 1 30 GAL DF, 03-Aug-2022, NM9570024423, 202200638 1024 38 P, WT/VOL 38 P, Constituents NICKEL MG/L 11.0

EPA Waste code(s): _____ HIN qty picked up: _____ HIN UM: _____

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| 0000000019 | FH4469 | AAPD3012 | FH44692227W013 | LP01C1 | 1 | EA | \$45.00 | \$45.00 | | | | |
|------------|--------|----------|----------------|--------|---|----|---------|---------|--|--|--|--|

T066 KIRTLAND AFB 6810DSHMCORAC, EXCL-PHTHALICANHYDRI, UN3265 WASTE CORROSIVE LIQUID ACIDIC ORGANIC N.O.S. (PHTHALIC ANHYDRIDE) 8 PG II, 8, II, D002, EXCESS EXPIRED CORROSIVE LIQUID (ACIDIC), EXCESS EXPIRED CORROSIVE LIQUID (ACIDIC), UHC CODES:169, 1 X3.5 GAL DF, 22-Jul-2022, NM9570024423, 202200751 1024 11 P, WT/VOL 11 P, Constituents PHTHALIC ANHYDRIDE MG/KG 28.0

EPA Waste code(s): _____ HIN qty picked up: _____ HIN UM: _____

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| 0000000020 | FH4469 | AAWS3012 | FH44692321W003 | TX07C1 | 1 | EA | \$50.00 | \$50.00 | | | | |
|------------|--------|----------|----------------|--------|---|----|---------|---------|--|--|--|--|

T066 KIRTLAND AFB 6810DSTOXSOL0, HW-CHEMLAB-S, UN2926 WASTE FLAMMABLE SOLIDS, TOXIC, ORGANIC, N.O.S. (METHANOL, METHYLENE CHLORIDE), 4.1, 6.1, PG. II, 4.1, 6.1, II, D001 F002 F003, SOLIDS CONTAMINATED WITH SPENT CALIBRATION LIQUID, SOLIDS CONTAMINATED WITH SPENT CALIBRATION LIQUID, LDR F CODES:1 11 15 16 , UHC CODES:130, 1, 1 1 GAL DF, 17-Nov-2022, NM9570024423, 202000798 1024 3 P, WT/VOL 3 P, Constituents METHYLENE CHLORIDE PCT 10.0 METHANOL MGL 0.75 ACETONE PCT 10.0 ETHYL ACETATE PCT 10.0

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| 0000000021 | FH4469 | AAXB3012 | FH44692341W004 | FL01C7 | 3 | LB | \$4.18 | \$12.54 | | | | |
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T066 KIRTLAND AFB 8010DSAERFLAM, HWX-FAERO, UN1950, WASTE AEROSOLS FLAMMABLE, 2.1, 2.1, NA, D001, EXCESS EXPIRED FLAMMABLE AEROSOLS, EXCESS EXPIRED FLAMMABLE AEROSOLS, UHC CODES:104 106 130 183 197 29 3, 1 X1 GAL DF, 07-Dec-2022, NM9570024423, 202201058 1024 3 P, WT/VOL 3 P, Constituents ETHYLBENZENE MG/KG 10.0 1-BUTANOL MG/KG 2.6 ACETONE MG/KG 160.0 TOLUENE MG/KG 10.0 ETHYL ACETATE MG/KG 33.0 XYLENE MG/KG 30.0 METHANOL MG/L 0.76

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| 0000000022 | FH4469 | AAXR3012 | FH44692363W008 | LP03C1 | 1 | EA | \$116.96 | \$116.96 | | | | |
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T066 KIRTLAND AFB 6810DSHMFLAML, EXFL-CURINGAGENT, UN1993, FLAMMABLE LIQUIDS, N.O.S. (Tetrahydrofuran, Ethyl Methyl Ketone), 3, PG II, 3, II, D001 D035, EXCESS EXPIRED FLAMMABLE LIQUIDS, EXCESS EXPIRED FLAMMABLE LIQUIDS, 1, 1 1 GAL DF, 22-Jul-2022, NM9570024423, 202200744 1024 1 P, WT/VOL 1 P

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| 0000000023 | FH4469 | AAOS3012 | FH44692216W004 | FL01C7 | 14 | LB | \$4.18 | \$58.52 | | | | |
|------------|--------|----------|----------------|--------|----|----|--------|---------|--|--|--|--|

T066 KIRTLAND AFB 8010DSAERFLAM, HWX-FAERO, UN1950, WASTE AEROSOLS FLAMMABLE, 2.1, 2.1, NA, D001, EXCESS EXPIRED FLAMMABLE AEROSOLS, EXCESS EXPIRED FLAMMABLE AEROSOLS, UHC CODES:104 106 130 183 197 29 3 1X 5 GAL DF, 04-Aug-2022, NM9570024423, 202200697 1024 14 P, WT/VOL 14 P, Constituents ETHYLBENZENE MG/KG 10.0 1-BUTANOL MG/KG 2.6 ACETONE MG/KG 160.0 TOLUENE MG/KG 10.0 ETHYL ACETATE MG/KG 33.0 XYLENE MG/KG 30.0 METHANOL MG/L 0.76

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| 0000000024 | FH4469 | AAPB3012 | FH44692222W009 | LP01C2 | 1 | EA | \$110.00 | \$110.00 | | | | |
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T066 KIRTLAND AFB 6810DSHMCORAC, HWX-ORGANICACID, UN3265, WASTE CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (ORGANIC STRONG ACID [PH < 1.0]), 8, PG III, 8, III, D002, EXCESS EXPIRED CORROSIVE LIQUID ACIDIC ORGANIC, EXCESS EXPIRED CORROSIVE LIQUID ACIDIC ORGANIC, 1 X14 GAL DF, 22-Jul-2022, NM9570024423, 202200714 1024 27 P, WT/VOL 27 P

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| 0000000025 | FH4469 | AAXD3012 | FH44692341W005 | LP12C1 | 2 | EA | \$190.00 | \$380.00 | | | | |
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T066 KIRTLAND AFB 9999DSLSTDEB, EXULISTED-U154, UN1230 WASTE METHANOL, 3 PG. II, 3, II, U154, EXCESS EXPIRED U LISTED WASTE, EXCESS EXPIRED U LISTED WASTE, 2,X 5 GAL DF, 07-Dec-2022, NM9570024423, 202201059 1024 21 P 202201123 1024 21 P, WT/VOL 42 P

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| 0000000026 | FH4469 | AAXL3012 | FH44692363W004 | FL01C7 | 13 | LB | \$4.18 | \$54.34 | | | | |
|------------|--------|----------|----------------|--------|----|----|--------|---------|--|--|--|--|

T066 KIRTLAND AFB 8010DSAERFLAM, HWX-FTAERO, UN1950, WASTE AEROSOLS, FLAMMABLE, 2.1, 2.1, NA, D001 D005 D007 D008 D018 D035, EXCESS EXPIRED FLAMMABLE TOXIC AEROSOLS, EXCESS EXPIRED FLAMMABLE TOXIC AEROSOLS, UHC CODES:104 106 130 183 197 29 3 75, 1, 1 5 GAL DF, 12-Jul-2022, NM9570024423, 202200604 1024 13 P, WT/VOL 13 P, Constituents TRANS-1,2-DICHLOROETHYLENE MG/KG 30.0 XYLENE MG/KG 30.0 TOLUENE MG/KG 10.0 METHANOL MG/L 0.75 1-BUTANOL MG/KG 2.6 ETHYLBENZENE MG/KG 10.0 ACETONE PCT 1.0 ISOBUTYL ALCOHOL KG/L 170.0 ETHYL ACETATE MG/KG 33.0

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| 0000000027 | FH4469 | AAPJ3012 | FH44692265W009 | FL01C7 | 8 | LB | \$4.18 | \$33.44 | | | | |
|------------|--------|----------|----------------|--------|---|----|--------|---------|--|--|--|--|

T066 KIRTLAND AFB 6850DSAERNR00, NHX-AERO, UN1950 AEROSOLS, NON-FLAMMABLE, 2.2, 2.2, NA, WASTE NON HAZARDOUS AEROSOL, WASTE NON HAZARDOUS AEROSOL, 1, X 5 GAL DF, 22-Sep-2022, NM9570024423, 202200862 1024 8 P, WT/VOL 8 P

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| 0000000028 | FH4469 | AAPL3012 | FH44692294W001 | RX10C1 | 3 | EA | \$209.00 | \$627.00 | | | | |
|------------|--------|----------|----------------|--------|---|----|----------|----------|--|--|--|--|

T066 KIRTLAND AFB 6810PHM003815, HW-D003METAL, UN3132, WASTE WATER-REACTIVE SOLID, FLAMMABLE, N.O.S. (NEODYMIUM, METHANOL), 4.3, 4.1, PGII, 4.3, 4.1, II, D003 D005 F003, GLOVES/WIPES WITH REACTIVE METAL POWDERS & SOLVENTS, GLOVES/WIPES WITH REACTIVE METAL POWDERS & SOLVENTS, LDR F CODES:15, 3, 3 5 GAL DF, 08-Jun-2022, NM9570024423, 202200320 1024 6 P 202200520 1024 6 P 202200619 1024 6 P, WT/VOL 18 P, Constituents METHANOL MG/L 0.75

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| 0000000029 | FH4469 | AAXN3012 | FH44692363W005 | CS14C4 | 1 | EA | \$203.73 | \$203.73 | | | | |
|------------|--------|----------|----------------|--------|---|----|----------|----------|--|--|--|--|

T066 KIRTLAND AFB 6810DSACIDINO, HW-NICHROME-L, UN2031 WASTE NITRIC ACID SOLUTION 8 PG. II, 8, II, D002 D007 D011, LIQUID FROM MIRROR STRIPPING (NICHROME ETCH), LIQUID FROM MIRROR STRIPPING (NICHROME ETCH), UHC CODES:210, 1, X 55 GAL DF, 05-Aug-2022, NM9570024423, 202200640 1024 382 P, WT/VOL 382 P, Constituents NICKEL MG/L 11.0

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| 0000000030 | FH4469 | AAPC3012 | FH44692222W010 | LP01C1 | 1 | EA | \$45.00 | \$45.00 | | | | |
|------------|--------|----------|----------------|--------|---|----|---------|---------|--|--|--|--|

T066 KIRTLAND AFB 6810003006121, EXCL-PHOSPHORIC, UN3264, WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (PHOSPHORIC ACID, HYDROFLUORIC ACID), 8, PG II, 8, II, D002, EXCESS EXPIRED CORROSIVE LIQUID (ACIDIC), EXCESS EXPIRED CORROSIVE LIQUID (ACIDIC), 1, 1 5 GAL DF, 22-Jul-2022, NM9570024423, 202200719 1024 12 P, WT/VOL 12 P

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| 0000000031 | FH4469 | AAWY3012 | FH44692339W006 | FL01C7 | 2 | LB | \$4.18 | \$8.36 | | | | |
|------------|--------|----------|----------------|--------|---|----|--------|--------|--|--|--|--|

T066 KIRTLAND AFB 8010DSAERFLAM, HWX-FAERO, UN1950, WASTE AEROSOLS FLAMMABLE, 2.1, 2.1, NA, D001, EXCESS EXPIRED FLAMMABLE AEROSOLS, EXCESS EXPIRED FLAMMABLE AEROSOLS, UHC CODES:104 106 130 183 197 29 3, 1,X1 GAL DF, 05-Dec-2022, NM9570024423, 202201052 1024 2 P, WT/VOL 2 P, Constituents ETHYLBENZENE MG/KG 10.0 1-BUTANOL MG/KG 2.6 ACETONE MG/KG 160.0 TOLUENE MG/KG 10.0 ETHYL ACETATE MG/KG 33.0 XYLENE MG/KG 30.0 METHANOL MG/L 0.76

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| 0000000032 | FH4469 | AAXJ3012 | FH44692363W003 | FL01C7 | 26 | LB | \$4.18 | \$108.68 | | | | |
|------------|--------|----------|----------------|--------|----|----|--------|----------|--|--|--|--|

T066 KIRTLAND AFB 6850DSAERNR00, NHX-AERO, UN1950 AEROSOLS, NON-FLAMMABLE, 2.2, 2.2, NA, WASTE NON HAZARDOUS AEROSOL, WASTE NON HAZARDOUS AEROSOL, 1, X 14 GAL DF, 12-Jul-2022, NM9570024423, 202200803 1024 26 P, WT/VOL 26 P

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| 0000000033 | FH4469 | AAXQ3012 | FH44692363W007 | LP03C1 | 1 | EA | \$116.96 | \$116.96 | | | | |

T066 KIRTLAND AFB 6810DSHMFLAML, EXFL-POLYSILOXANE, UN1993, WASTE FLAMMABLE LIQUIDS N.O.S. (DIMETHYL-METHYLHYDROGEN POLYSILOXANE) 3, PG III, 3, III, D001, EXCESS EXPIRED FLAMMABLE LIQUIDS, EXCESS EXPIRED FLAMMABLE LIQUIDS, 1, 1 1 GAL DF, 22-Jul-2022, NM9570024423, 202200720 1024 2 P, WT/VOL 2 P

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| Auth Transporter Name: | Auth Transporter EPA#: |
| Auth TSDF Name: | Auth TSDF EPA#: |
| Trans Signature: | Trans Printed Name: |
| KTR Signature: | KTR Printed Name: |
| Auth Cor Signature: | Auth Printed Name: |

MATERIAL SAFETY DATA SHEET CV-2946 PART B

NuSil Technology LLC urges each customer or recipient of this MSDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology, and fire prevention, as necessary or appropriate to the use and understanding of the data contained in this MSDS.

To promote safe handling, each customer or recipient should: (1) notify its employees, agents, contractors, and others whom it knows or believes will use this material of the information regarding hazards or safety; (2) furnish this same information to each of its customers for the product; and (3) request its customers to notify their employees, customers and other users of the product of this information.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|--|
| NuSil Technology LLC 1050 Cindy Lane Carpinteria, California 93013 USA (805) 684-8780 | EMERGENCY TELEPHONE NUMBERS: (800) 424-9300 CHEMTREC (805) 684-8780 OUTSIDE OF THE USA (703) 527-3887 CHEMTREC |
|---|--|

PRODUCT NAME: CV-2946 PART B
CHEMICAL NAME: N/A
CHEMICAL FAMILY: Silicone
FORMULA: Proprietary
MOLECULAR WEIGHT: N/A
SYNONYMS: N/A
CAS #: Mixture

2. HAZARDOUS INGREDIENTS

| % | <u>MATERIAL</u> | <u>CAS #</u> | <u>EXPOSURE VALUE</u> | <u>CLASSIFICATION</u> |
|----|---|--------------|-----------------------|-----------------------|
| 40 | Dimethyl, Methylhydrogen Siloxane Copolymer | 68037-59-2 | None Established | See Section 7 |

3. HAZARDS IDENTIFICATION

EFFECTS OF SINGLE OVEREXPOSURE:

SWALLOWING:

Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may cause digestive discomfort.

SKIN ABSORPTION:

No evidence of adverse effects from available information.

INHALATION:

Short-term harmful health effects are not expected from vapor generated at ambient temperature.

SKIN CONTACT:

A single relatively short exposure causes no known adverse effects. Several repeated prolonged exposures (24 to 48 hours) may irritate.

EYE CONTACT:

Direct contact may cause temporary discomfort with mild redness, dryness, and irritation.

EFFECTS OF REPEATED OVEREXPOSURE:

No evidence of adverse effects from available information.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

A knowledge of the available toxicology information and of the physical and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH HAZARD EVALUATION:

None currently known.

OTHER EFFECTS OF OVEREXPOSURE:

None currently known.

4. FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING:

No emergency care anticipated.

SKIN:

Wash with soap and water.

INHALATION:

Short-term harmful health effects are not expected from vapor generated at ambient temperature.

EYES:

Immediately flush eyes with water and continue washing for at least 15 minutes. Obtain medical attention if discomfort persists.

NOTES TO PHYSICIAN:

There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

FLASH POINT (test method(s)): 124°F / 51.1°C (Pensky-Martin)

FLAMMABLE LIMITS IN AIR (by volume):

LOWER: N/A **UPPER:** N/A

EXTINGUISHING MEDIA:

Apply alcohol-type or universal-type foams by manufacturers' recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

SPECIAL FIRE FIGHTING PROCEDURES:

Do not aim extinguisher stream directly into a pool of hot, burning liquid as this may cause frothing, and may intensify the fire. Use self-contained breathing apparatus when fighting fire in an enclosed area.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

This product contains polydimethylsiloxane which can generate formaldehyde as a byproduct of oxidative thermal decomposition at temperatures greater than 150°C (300°F). See Section 10 for further information.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Spills should be contained. Transfer spilled material to a suitable container for disposal.

WASTE DISPOSAL METHOD:

Dispose of in accordance with all Federal, State and local regulations.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Normal precautions common to safe manufacturing practice should be followed in handling and storage.

| | |
|---|----------|
| Keep container closed, in a cool dry place. | S3/S7/S8 |
| Avoid contact with skin and eyes | S24/S25 |
| In case of fire, do not breathe fumes | S41 |

| | |
|-----------|-----|
| Flammable | R10 |
|-----------|-----|

Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE VALUES AND SOURCE: None.

RESPIRATORY PROTECTION:

None should be required for normal use.

VENTILATION:

General (mechanical) room ventilation is expected to be satisfactory for normal handling.

PROTECTIVE GLOVES: PVC-coated.

EYE PROTECTION: Use safety glasses.

OTHER PROTECTIVE EQUIPMENT: Eye bath and safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES (based on typical material)

BOILING POINT: N/A
SPECIFIC GRAVITY (H₂O=1): 0.94
FREEZING POINT: N/A
VAPOR PRESSURE : < 5 mm Hg
VAPOR DENSITY (air=1): N/A

EVAPORATION RATE (Butyl Acetate=1): N/A
SOLUBILITY IN WATER (By wt): < 0.1 %
APPEARANCE: Clear
ODOR: Slight Odor
PHYSICAL STATE: Liquid
PERCENT VOLATILES (by wt): See Section 15

Note: The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID:

Water, alcohols, acidic or basic materials, and many metals or metallic compounds which, when in contact with product, liberate flammable hydrogen gas.

INCOMPATIBILITY: Oxidizing materials can cause a reaction.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:

Burning can produce carbon monoxide, carbon dioxide, oxides of silicon, and hydrocarbons. Carbon monoxide is highly toxic if inhaled; carbon dioxide in sufficient concentrations can act as an asphyxiant. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

Traces of formaldehyde may be generated due to oxidative thermal decomposition at temperatures greater than 150°C (300°F). Exposure to formaldehyde can cause adverse effects such as skin and respiratory sensitization and eye and throat irritation. Formaldehyde is a potential carcinogen. Evaluate and control exposure to formaldehyde when warranted by conditions of use.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

COMPONENT:

CV-2946 PART B:

| | |
|---|---|
| Acute Oral LD ₅₀ (mg/kg): | 500-5000 (Rat) Inferred from ingredient hazard(s) |
| Acute Dermal LD ₅₀ (mg/kg): | 1000-2000 (Rbt.) Inferred from ingredient hazard(s) |
| Acute Inhalation LC ₅₀ (mg/l): | 2-20 (Rat) Inferred from ingredient hazard(s) |
| Other: | N/A. |
| Ames Test: | N/A. |

Refer to Section 3 for further discussion of the health hazards associated with this preparation.

12. ECOLOGICAL INFORMATION

| | |
|-------------------------------|---|
| ECOTOXICOLOGICAL INFORMATION: | Complete information not yet available. |
| CHEMICAL FATE INFORMATION: | Complete information not yet available. |

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all Federal, State, and local regulations.

14. TRANSPORT INFORMATION

DOT HAZARD CLASSIFICATION:

Proper Shipping Name: Flammable liquid, n.o.s. (Dimethyl-methylhydrogen polysiloxane)
Hazard Class: 3
Hazard Label: Flammable liquid
UN Number: UN1993
Packaging Group: III

I.A.T.A. HAZARD CLASSIFICATION:

Proper Shipping Name: Flammable liquid, n.o.s. (Dimethyl-methylhydrogen polysiloxane)
Hazard Class: 3
Hazard Label: Flammable liquid
UN Number: UN1993
Packaging Group: III

15. REGULATORY INFORMATION

STATUS ON SUBSTANCE LISTS:

The concentrations shown are maximum or ceiling levels (weight %) to be used for calculations for regulations. Trade Secrets are indicated by "TS".

C.H.I.P. REGULATIONS

Chemicals (Hazard Information and Packaging for Supply) Regulations 2008 requires physico-chemical and health hazard determination of all substances and preparations manufactured, transported, stored, modified, or consumed within the U.K. Components present in this product at a level, which could require reporting under the statute, are:

**** NONE ****

FEDERAL EPA

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40 CFR 355 (used for SARA 302, 304, 311, and 312). Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS's that are copied and distributed for this material. Components present in this product at a level which could require reporting under this statute are:

**** NONE ****



INVENTORY STATUS

The ingredients of this product are listed on, or are exempt from listing on, the TSCA inventory.

STATE-RIGHT-TO-KNOW

CALIFORNIA Proposition 65

This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

MASSACHUSETTS 105 CMR 670.000 Right-To-Know, Substance List (MSL)

Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

PENNSYLVANIA Right-To-Know, Hazardous Substance List

Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products. Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

CALIFORNIA SCAQMD RULE 443.1 VOC'S:

Volatile Organic Components (VOC's) = Substances with vapor pressure of ≥ 0.5 mm Hg at 104°C (219.2°F). This product contains < 1 % by weight VOC's.

OTHER REGULATORY INFORMATION:

EPA Hazard Categories: Fire Hazard

C.H.I.P. Regulations:

Designation: CV-2946 PART B
Symbol: F



Indication of Danger: Flammable
Safety Phrases: S3/S7/S8/S24/S25/S41
(Ref. Sect. 7) R10/R101

16. OTHER INFORMATION

HMIS FORMAT:

Health: 1

Flammability: 2

Reactivity: 1

We believe that the information contained herein is current as of the date of this Material Safety Data Sheet, and is offered in good faith. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of NuSil Technology, it is the user's obligation to determine the conditions of safe use of the product.

-NuSil Technology LLC Regulatory Compliance Department

Effective Date: January 1, 2009

Saint-Gobain Performance Plastics Corporation Wayne Facility
Material Safety Data Sheet
Title: CHEMGRIP TREATING AGENT

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HMIS RATING: Health- 1 Flammability- 2 Reactivity- 2

SECTION I- Identification of Product

PRODUCT NAME: CHEMGRIP® Treating Agent

OTHER/GENERIC NAMES: N/A

FORM: Green-black liquid

PRODUCT USE: Surface treatment of Fluoropolymer materials to permit bonding.

MANUFACTURERS NAME/ADDRESS: Saint-Gobain Performance Plastics Corp.
150 Dey Road, Wayne, NJ 07470 USA

EMERGENCY TELEPHONE NO.: CHEM-TEL Inc. US: 1-800-255-3924 Worldwide + 01-813-248-0585
TECHNICAL ASSISTANCE TELEPHONE NO.: 973-696-4700

SECTION II- Composition/Information on Ingredients

| <u>Ingredient Name</u> | <u>CAS Number</u> | <u>Weight %</u> |
|----------------------------------|-------------------|-----------------|
| Sodium Metal | 7440-23-5 | <3% |
| Naphthalene | 91-20-3 | <9% |
| Diethylene glycol dimethyl ether | 111-96-6 | >88% |

All components appear on TSCA Inventory. This product contains diethylene glycol dimethyl ether which is subject to the reporting requirements of section 313 of Title III of the US EPA Superfund Amendments and Reauthorization Act of 1988 and US Code of Federal Regulations, 40CFR part 372, as a member of the chemical family "glycol diethers".

SECTION III- Hazards Identification

EMERGENCY OVERVIEW: May cause chemical burns (alkali) or irritation. Splashing of liquid may result in eye or skin contact if adequate safety precautions and equipment/clothing are not utilized during handling. Inhalation or ingestion may cause dizziness, drowsiness, and headaches with continuing exposure potentially leading to cyanosis, central nervous system depression, nausea, and vomiting. Exposure to vapors or mists should be avoided, especially for women of childbearing potential.

Potential Health Hazards:

SKIN: May cause mild alkali (chemical) burns or irritation.

EYES: May cause chemical burns, initial irritation, followed by conjunctival congestion.

INHALATION: May cause dizziness, drowsiness, headache, cyanosis, central nervous system depression, nausea, and vomiting.

INGESTION: May cause headache, cyanosis, central nervous system depression, nausea, and vomiting.

DELAYED EFFECTS: (for Diethylene glycol dimethyl ether) Teratogenic effects have been observed in laboratory animals at levels above 100 ppm inhalation and 125 mg/kg ingestion. This chemical is a member of the group of compounds known as "glycol diethers" which, in studies conducted on laboratory animals, have been shown to cause reversible testicular and sperm damage. There may be a particular risk for women of child bearing potential regarding this compound. Exposure to vapors or mists should be avoided, especially for women of childbearing potential.

Ingredients found on one of the OSHA designated carcinogen lists are listed below:

None listed in OSHA, NTP, or IARC.

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Section IV- First Aid Measures

SKIN: Wash off in flowing water. Wash promptly with soap and water until all chemical is removed. Remove and wash contaminated clothing before reuse. If irritation or burning persists, get medical attention.

EYES: Irrigate immediately with water for at least 15 minutes or until irritation or burning sensation ceases. Get prompt medical attention. Do NOT wear contact lenses when working with this material.

INHALATION: Avoid breathing vapors or mist. Remove victim to fresh air. If not breathing, perform mouth-to-mouth resuscitation. Seek medical attention. Keep victim warm and at rest.

INGESTION: Do not induce vomiting. Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, prevent aspiration.

ADVICE TO PHYSICIAN: Treat symptoms as indicated. If ingested, adsorbents such as activated carbon may be used. Gastric lavage may be effective if used within 4 hours of ingestion.

SECTION V- Fire Fighting Measures

Flammable Properties

FLASH POINT: 134 °F (diethylene glycol dimethyl ether)

FLASH POINT METHOD: COC

AUTO IGNITION TEMPERATURE: Not determined

UPPER FLAME LIMIT (volume % in Air): 17.4% (diethylene glycol dimethyl ether)

LOWER FLAME LIMIT (volume % in Air): 1.5% (diethylene glycol dimethyl ether)

FLAME PROPAGATION RATE (solids): Not applicable

OSHA FLAMMABILITY CLASS: Not determined. II (diethyl glycol dimethyl ether)

EXTINGUISHING MEDIA: Dry soda ash, dry chemical (do not use Water, carbon dioxide, or chlorinated solvents.)

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: Could react violently with water to produce potentially explosive hydrogen gas. Water reactivity and potential for spontaneous ignition of evolved gases has been found below defined classification levels of IATA Division 4.3, when tested by Method 11.4.1.

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS: Avoid moisture, water, and carbon dioxide.

SECTION VI- Accidental Release Measures

IN CASE OF SPILLS OR OTHER RELEASE: Cover with dry soda ash until green-black color disappears. Absorb residual liquid on inert material. Secure spilled material in an appropriate container for proper disposal. Do not flush to sanitary sewer system or allow to migrate into the ground water.

SECTION VII- Handling and Storage

NORMAL HANDLING: Keep original container tightly sealed and protected from moisture, water, excessive heat and open flame. Use adequate safety precautions during handling and storage to prevent exposure.

STORAGE RECOMMENDATIONS: Store at or near room temperature in original tightly sealed container. Protect from moisture, water, excessive heat and open flame.

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SECTION VIII- Exposure Controls/Personal Protection

ENGINEERING CONTROLS/VENTILATION: Ensure good ventilation or exhaust to achieve sufficiently low exposure levels. Provide local exhaust.

FIRE AND EXPLOSION: May react violently with water to release potentially explosive hydrogen gas.

PERSONAL PROTECTIVE EQUIPMENT: Eye protection (side shield safety glasses, chemical goggles, or face shield). Use butyl rubber or polyethylene gloves. If conditions warrant, use chemical apron. If ventilation proves inadequate, use NIOSH approved organic vapor respirator.

ADDITIONAL RECOMMENDATIONS: Use good chemical handling hygiene. Provide an emergency eyewash station and quick drenching shower in the immediate work area.

EXPOSURE GUIDELINES/LIMITS:

| Ingredient | CAS No. | OSHA | ACGIH | STEL |
|----------------------------------|-----------|-----------------|-----------------|-----------------|
| Sodium Metal | 7440-23-5 | Not established | Not established | Not established |
| Naphthalene | 91-20-3 | 15 ppm | 10 ppm | 15 ppm |
| Diethylene glycol dimethyl ether | 111-96-6 | Not established | 5 ppm (TWA)* | 25 ppm ** |

* 1 ppm (8 hr TWA) recommended for women of childbearing potential.

** 5 ppm recommended for women of childbearing potential.

OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS: Not available.

SECTION IX- Physical and Chemical Properties

APPEARANCE: Green-black liquid

PHYSICAL STATE: liquid (mixture)

ODOR: odor of mothballs

SPECIFIC GRAVITY (H₂O = 1): 1.0 (approximately)

SOLUBILITY IN WATER (weight %): Partially soluble (solvent 100% soluble), can react violently.

pH: (1% solution): Not determined

BOILING POINT: approximately 324 °F at 760 mmHg

MELTING POINT: Not determined

VAPOR PRESSURE: 3 mmHg (approximately)

VAPOR DENSITY (air = 1): 5 (approximately)

EVAPORATION RATE: Not determined

% VOLATILES: 88% (negligible VOC content)

IGNITION TEMPERATURE: Not determined.

FLASH POINT: 134 °F (diethylene glycol dimethyl ether). (Flash point method and additional flammability data are found in Section V.)

THERMAL DECOMPOSITION: See Section X.

SECTION X- Stability and Reactivity

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: Avoid exposure to moisture, water, excessive heat, or open flame.

INCOMPATIBILITIES/REACTS: Strong oxidizers, water, moisture, carbon dioxide, chlorinated solvents. Water reactivity and potential for spontaneous ignition of evolved gases has been found below defined classification levels of IATA Division 4.3, when tested by Method 11.4.1.

HAZARDOUS DECOMPOSITION PRODUCTS: Sodium hydroxide, hydrogen, ether peroxides.

HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION XI- Toxicological Information

GENERAL: Potential toxicities as indicated in Section III.

IMMEDIATE (ACUTE) EFFECTS: See section III.

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS: (for Diethylene glycol dimethyl ether) Teratogenic effects have been observed in laboratory animals at levels above 100 ppm inhalation and 125 mg/kg ingestion. This chemical is a member of the group of compounds known as "glycol diethers" which, in studies conducted on laboratory animals, have been shown to cause reversible testicular and sperm damage. There may be a particular risk for women of child bearing potential regarding this compound. Exposure to vapors or mists should be avoided, especially for women of childbearing potential.

TOXICITY OF PRODUCT: For Diethylene glycol dimethyl ether: Oral LD₅₀ = 4760 mg/kg (rat).

OTHER DATA: A study with laboratory animals indicates that chronic alcohol (ethanol) ingestion may increase the potential for teratogenic or other toxic effects from exposure to glycol ethers and diethers.

SECTION XII- Ecological Information

Diethylene glycol dimethyl ether biodegrades slowly in the environment.

SECTION XIII- Disposal Considerations

Neutralized material (see Section VI) is considered an organic liquid waste.
Dispose of material according to local, state, federal, province, or country regulations.
Empty containers of this material must be handled as hazardous waste

This information relates only to uncontaminated product. If used in a process which contaminates product, then disposal considerations should be re-evaluated.

SECTION XIV- Transport Information

US DOT HAZARD CLASS: Flammable Liquid (3)
US DOT SHIPPING NAME: Flammable Liquid, N. O. S. [Mixture: Diethylene Glycol Dimethyl Ether- Sodium-Naphthalene Complex]
US DOT Reportable Quantity: as noted on shipping documents.

UN No.: UN 1993
UN CLASS: Class 3- Flammable Liquids

ICAO/IATA: Not determined

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SECTION XV- Regulatory Information

Toxic Substances Control Act (TSCA)

TSCA INVENTORY STATUS: All components are listed on the TSCA Inventory.

OTHER TSCA ISSUES: N/A

SARA Title III/CERCLA

"Reportable Quantities" (RQ's) and/or "Threshold Planning Quantities" (TPQ's) exist for the following ingredients.

This product contains no substances at or above the reporting thresholds.

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

SECTION 311 HAZARD CLASS: None

The following ingredients are SARA 313 "Toxic Chemicals", CAS numbers and weight percents are found in Section II.

| <u>Ingredient Name</u> | <u>Comment</u> |
|------------------------|----------------|
| None | |

STATE RIGHT-TO-KNOW

In addition to the ingredients found in Section II, the following are listed for state right-to-know purposes.

| <u>Ingredient Name</u> | <u>Weight %</u> | <u>Comment</u> |
|------------------------|-----------------|----------------|
| None | | |

ADDITIONAL REGULATORY INFORMATION: All components appear on TSCA Inventory. This product contains diethylene glycol dimethyl ether which is subject to the reporting requirements of section 313 of Title III of the US EPA Superfund Amendments and Reauthorization Act of 1988 and US Code of Federal Regulations, 40CFR part 372, as a member of the chemical family "glycol diethers".

WHMIS CLASSIFICATION (CANADA): N/A

FOREIGN INVENTORY STATUS: N/A

SECTION XVI- Other Information

This material safety data sheet was prepared in compliance with US OSHA Hazard Communication Standard 29CFR 1910.1200 and the European Council Directive 91/155/EEC, 67/548 and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labeling of dangerous substances and preparations.

The information and recommendations set forth above are taken from sources believed to be accurate as of the date hereof; however, Saint-Gobain Performance Plastics Corporation makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof. The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of workplace risks as required by other health and safety legislation.