

Lubricants, Compounds & Solvents

Halocarbon Products Corporation

25-10M Grease

Never Seez

Regular Grade Anti-Seize & Lubricating Compound - NSBT-8

Next Safety Solvent

Nonflammable Aerosol - 521



MATERIAL SAFETY DATA SHEET

IDENTITY: HALOCARBON 25-10M, 25-20M, X90-10M

SECTION I: MANUFACTURER

HALOCARBON PRODUCTS CORPORATION Emergency Number: (803) 278 3504
P.O. Box 661 Customer Service & Sales: (201) 262 8899
River Edge, N.J. 07661

Prepared by: MSDS Coordinator

SECTION II: CHEMICAL IDENTITY

Components	CAS No.	OSHA PEL	ACGIH TLV	Other Limits
Polychlorotrifluoroethylene	9002-83-9	None	None	None

S Greases contain a proprietary rust inhibitor.

OSHA HAZARD RATING:

This product contains the following toxic chemical(s) subject to Section 313 Title III reporting requirements (40 CFR Part 372).

None

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point : Decomposes > 200 C Vapor Pressure: Less than 0.1 mm H
Melting Point : N/A Vapor Density(Air=1): N/A
Specific Gravity(H2O=1): ca 1.9 (38 C) Solubility in Water : Negligible

Appearance and Odor: Colorless, opaque grease

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point/Method: None Autoignition Temp: Not determined
Flammability Limits in Air - LEL: N/A UEL: N/A

Extinguishing Media: Use agent suitable for surrounding fire.

Special Fire Fighting Procedures: Wear SCBA if there is danger of leakage.

Unusual Fire and Explosion Hazards: Thermal decomposition products are toxic and corrosive. See Section V.

Continued

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SECTION V - REACTIVITY DATA

Unstable Conditions to Avoid: N/A
Stable

Incompatibility (Materials to Avoid): Reacts with active metals like sodium and potassium, amines (including additives), liquid fluorine and liquid chlorine trifluoride. Caution should be used with aluminum and magnesium under conditions of large shear forces such as those found in threaded connections.

Hazardous Decomposition or By-products: The decomposition to toxic, non sludge forming volatiles occurs rapidly at 325C, noticeably at 300C and in lesser amounts at lower temperatures. Therefore, the maximum safe operating temperature recommended is 200C and the maximum short-term temperature recommended is 260C in scrupulously clean systems.

Hazardous Polymerization May Occur Will Not Occur
Conditions To Avoid: N/A



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SECTION VI - HEALTH HAZARD DATA

These products contain a complex mixture of polymers of chlorotrifluoroethylene (CTFE) which will vary from batch to batch.

Extensive studies have been conducted on Halocarbon oils similar to the ones found in this product. Based on all the available data in three species of animals, limited exposure to these products should not be harmful to any portion of the human anatomy. Studies conducted by the Air Force have demonstrated liver toxicity in rodents but not in primates. The observed liver toxicity is believed to be specific for rodents and not relevant to humans. All mutagenic studies were negative.

Halocarbon oils are not irritating to skin but skin protection should be used to prevent repeated exposure and the possibility of sensitization.

In the absence of chronic toxicity data on these products, exposure to these products and their vapors should be avoided. Proper ventilation and work practices should be employed.

Primary routes of entry: Inhalation Skin Eyes Oral

Acute Effects of Overexposure: >From the animal studies, signs of fluoride poisoning may be expected. These include nausea, shortness of breath and loss of appetite.

Chronic Effects of overexposure: Unknown

Carcinogenicity listing: NTP IARC OSHA
 Other:

First Aid

- Inhalation: Remove to fresh air. Apply artificial respiration if needed. Seek medical help.
- Skin: Wash with soap and water.
- Eye: Flush eyes with water for at least 15 minutes. Seek medical help.
- Oral: Try to induce vomiting. Seek medical help.

Medical Conditions Generally Aggravated by Exposure: None known.

Other Health Hazards: None known.

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SECTION VII - PROTECTION INFORMATION

Respiratory: None normally required. For large spills wear SCBA.

Ventilation: Adequate general ventilation plus local exhaust at point of emission.

Eye and Face: Safety glasses/goggles or face shield.

Gloves: Impervious gloves

Other equipment: None normally required.



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SECTION VIII - SPILL, LEAK AND DISPOSAL PROCEDURES

Spill, Leak or Release: Spills may be picked up with an absorbent such as vermiculite and held in covered container for disposal.

Waste Disposal: May be incinerated by licensed waste disposal company. Observe all federal, state and local regulations.

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SECTION IX - OTHER INFORMATION

1. Hazardous Materials/Dangerous Goods Shipping Regulations

U.S. (49 CFR): Proper Shipping Name: Non-Hazardous Material

IATA: Proper Shipping Name: Non-Dangerous Goods

IMDG: Proper Shipping Name: Non-Dangerous Goods

2. Other Information: HMIS Labeling: H 1; F 0; R 0; P B

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REVISED: FEBRUARY 6, 2007

Regular Grade Anti-Seize & Lubricating Compound

Product Description

Never-Seez[®] Regular Grade is a superior, anti-seize and extreme pressure lubricant formulated to protect metal parts against rust, corrosion and seizure. Fine metallic and graphite particles in a special grease protect parts even in high heat, high pressure and corrosive environments.

Product Benefits

- Keeps parts working longer with less wear.
- Minimizes parts replacement costs.
- Enables faster disassembly when repairs are needed—even after exposure to high temperatures.
- Protects against carbon fusion.
- Resists alkaline solutions, most chemical and acid vapors, road salt, steam, salt water, iodized water.
- Prevents galling on steel to stainless steel, titanium, magnesium, and other hard metals.

Product Applications

- Nuts, bolts, screws
- Pipe fittings
- Boom guides
- Valve assemblies
- Pump mountings
- Chain drives
- Shafts
- Gaskets
- Press fit assemblies
- Taps and drills
- Packing glands
- Metal fittings
- Machinery

Limitations

- Never-Seez[®] Regular Grade is not recommended for high speed bearings. Never-Seez[®] Red Bearing Lubricant is suggested for these applications.
- For temperature resistance to 2400°F (1316°C), use Never-Seez[®] Pure Nickel Special.
- For applications where the presence of copper is prohibited, use Never-Seez[®] Nickel Grade, Nuclear Grade or Never-Seez[®] Blue Moly.

Other Anti-Seize Lubricants

- Nuclear Grade, Nickel Special
- Pure Nickel Special
- High Temperature Stainless
- High Temperature Stainless, Nuclear Certified
- Marine Grade
- Blue Moly Lubricant
- Black Moly Lubricant
- Red Bearing Lubricant
- White Food Grade with PTFE
- High Temperature Bearing Lubricant
- Pipe Compound with Teflon[®]
- Lithium EP Grease



Technical Specifications

Color	Silver	
Temperature Range, °F (°C)	-297°F to 1800°F (-183°C to 982°C)	
Solvent Resistance	Excellent in water, salt water, and ionized water	
Particle Size, mil (microns)	2 maximum (50µ)	
Density (g/cm ³)	1.19-1.29	
		ASTM Test Method
NLGI Grade	1/2	D-217
Worked Penetration	280-350	D-217-A
Flash Point, °F (°C)	>482°F (>250°C)	D-92
Dropping Point, °F (C)	360°F (182°C)	D-566
Coefficient of Friction @ 167°F (75°C)	0.057-0.063	D-2266
Torque Coefficient, k factor	0.130	
Extreme Pressure Properties (Load Wear Index) kgf	84.2	D-2596
Copper Corrosion Test	No corrosion	D-130

Electrical Properties

Cycles	Dissipation Factor	Dielectric Constant	Resistivity OHMS-cm	Conductivity Mhos/cm
1,000	.0255	14.6	4.2 x 10 ⁹	4.32 x 10 ⁻⁹
10,000	.0031	13.4	3.5 x 10 ⁹	3.77 x 10 ⁻¹⁰

Specifications: Meets MIL-A-907; Ford Spec. #ESE-M12A4-A; Garrett PCS5724; U.T. Pratt & Whitney PWA 36053-2.

Ingredients: Contains a special, high-quality bearing grease with graphite, copper flake, aluminum powder and zinc oxide.

Shelf Life: Never-Seez® Regular Grade does not deteriorate with age when stored unopened at temperatures below 120°F (49°C). Quality and performance are guaranteed for five years from the date of manufacture on unopened containers.

Use in accordance with Material Safety Data Sheet.

Ordering Information:

REGULAR GRADE ANTI-SEIZE AND LUBRICATING COMPOUND

STOCK NUMBER	DESCRIPTION	SIZE
NS-40	Flat Top	1/4 lb.
NS-160	Flat Top	1 lb.
NS-168	Flat Top	8 lbs.
NSA-16	Aerosol Spray	16 oz.
NSBT-4	Brush Top	1/4 lb.
NSBT-8	Brush Top	8 oz.
NSBT-16	Brush Top	1 lb.
NSB-16	Bottle	1 lb.
NSC-1	Cartridge	1 lb.
NS-10	Tube	1 oz.
NSB-4	Tube	1/4 lb.
NS-42B	Pail	42 lbs.
NS-130B	Drum	130 lbs.
NS-425B	Drum	425 lbs.

IMPORTANT NOTICE

All statements, technical information and recommendations set forth herein are based on tests which Bostik, Inc. believes to be reliable. However, Bostik does not guarantee their accuracy or completeness. The buyer should conduct its own tests of this product before use to determine proper preparation technique and suitability for proposed application. Any sales of this product shall be on terms and conditions set forth on Bostik's order acknowledgment. Bostik, Inc. warrants that the product conforms with Bostik's written specifications, and is free from defects. BOSTIK, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE BUYER'S SOLE REMEDY FOR NONCOMPLIANCE WITH THIS WARRANTY SHALL BE FOR THE REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. IN NO CASE WILL BOSTIK BE LIABLE FOR DIRECT, CONSEQUENTIAL ECONOMIC OR OTHER DAMAGES.

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Middleton, MA 0149-2128 USA
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(www.bostik-us.com)

MATERIAL SAFETY DATA SHEET

HAZARD RATINGS HMIS

**BOSTIK FINDLEY**Health 1
Flammability 1
Reactivity 0
PPE X

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product V435740
MSDS Name NEV-SZ REG NSBT-4 24/4
CAS # Mixture
Generic Description miscellaneous
Manufacturer BOSTIK FINDLEY, INC.
211 Boston Street
Middleton , MA 01949 USA

24 Hour Emergency Assistance

Phone: 1-800-227-0332

General Assistance

Phone: 1-978-777-0100

MSDS Assistance

Phone: 1-978-777-0100

2 COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Graphite	7782-42-5	10 - 30
Copper Powder	7440-50-8	5 - 10
Zinc Oxide	1314-13-2	1 - 3
Aluminum Powder	7429-90-5	1 - 3
Non-hazardous and other ingredients below reportable levels	Proprietary	Balance

3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Extended contact with this material may cause irritation to the skin, eyes, and mucous membranes. Primary Routes of Exposure: eyes, skin, and inhalation. Irritating fumes and gases may be released upon thermal processing or during combustion.

POTENTIAL HEALTH EFFECTS

SKIN CONTACT: This product may cause irritation to the skin. Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

EYE CONTACT: This product may cause irritation to the eyes.

INHALATION: Fumes released during thermal processing may irritate respiratory system, skin and eyes.

INGESTION: Ingestion may cause gastrointestinal tract discomfort or damage.

TARGET ORGANS

Skin.

4 FIRST AID MEASURES

SKIN

For minor exposures, wash thoroughly with soap and clean water. In situations involving considerable skin contact, place the contaminated person in a deluge shower for at least 15 minutes. Remove contaminated clothing to prevent further skin exposure and dispose of properly. Get medical attention if irritation persists.

EYE

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

INHALATION

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Seek medical attention.

INGESTION

Do not induce vomiting. If person is conscious and can swallow, immediately give two glasses of water. Seek immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Dermatitis.

NOTES TO PHYSICIAN

Treat symptomatically and supportively. Contact Bostik Findley to determine whether any additional information is available.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Use dry chemical, carbon dioxide, or foam. Water spray (fog).

DUST EXPLOSION HAZARD

None Known

SENSITIVITY TO MECHANICAL IMPACT

None Known

SENSITIVITY TO STATIC DISCHARGE

None Known

UNUSUAL FIRE & EXPLOSION HAZARDS

Product may burn and produce toxic gases in a fire.

FIRE FIGHTING EQUIPMENT/INSTRUCTIONS

Firefighters should wear full protective clothing including self contained breathing apparatus.

Flash Point > 482 F (> 250 C)

6 ACCIDENTAL RELEASE MEASURES

EMERGENCY ACTION

Appropriate safety measures and protective equipment should be used. See Section 8. Do not discharge to lakes, streams, ponds, or sewers. Dispose of in compliance with local, state, and federal regulations.

SPILL OR LEAK PROCEDURE

Scrape up grease and deposit into appropriate containers for disposal.

CLEAN-UP PROCEDURES

Scrape up the spilled material. Deposit into appropriate containers for disposal. Follow the guidelines of 29CFR 1910.120 for dealing with a spill of any size. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill, including the material spilled, the quantity of the spill and the area in which the spill occurred. Wear appropriate protective equipment and clothing during clean-up.

7 HANDLING & STORAGE

STORAGE

Keep the container tightly closed and in a cool, well-ventilated place.

EMPTY CONTAINER PRECAUTION

Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container without professional cleaning for food, clothing, or products for human or animal consumption, or where skin contact can occur.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

Ventilation is not normally required.

EYE PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Wear safety glasses with side shields.

SKIN PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Wear protective impervious gloves to minimize skin exposure. Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves.

RESPIRATORY PROTECTION: PERSONAL PROTECTION EQUIPMENT (PPE)

Not normally needed.

EXPOSURE LIMITS

ACGIH - Occupational Exposure Limits - 8 Hour TWAs

COPPER	7440-50-8	0.2 mg/m ³ TWA (fume); 1 mg/m ³ TWA (dusts and mists, as Cu)
ZINC OXIDE	1314-13-2	5 mg/m ³ TWA (fume); 10 mg/m ³ TWA (dust)

OSHA - Vacated PELs - Time Weighted Averages

COPPER	7440-50-8	0.1 mg/m ³ TWA (fume, dusts, mists as Cu)
ZINC OXIDE	1314-13-2	5 mg/m ³ TWA (fume); 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)

9 PHYSICAL & CHEMICAL PROPERTIES

Solubility In Water	0.1 %
Target Solids	100 %
Density	1.21 g/cc
Odor Threshold	NA
Octanol/Water Coefficient	NA
Odor	Hydrocarbon
Color	Gray-Black
Physical State	Paste
Freeze Protect	No

10 STABILITY & REACTIVITY

STABILITY/INCOMPATIBILITY

Stable under normal conditions.

HAZARDOUS REACTIONS/DECOMPOSITION PRODUCTS

If product is burned hazardous gases such as oxides of carbon and nitrogen and various hydrocarbons may be produced.

HAZARDOUS POLYMERIZATION

Will not occur.

CONDITIONS TO AVOID

Avoid contact with Strong Oxidizers and Strong Acids.

11 TOXICOLOGICAL INFORMATION

LD50

NIOSH - Selected LD50s and LC50s

ZINC OXIDE

1314-13-2

Inhalation LC50 Mouse: 2500 mg/m³; Oral LD50 Mouse: 7950 mg/kg

CHRONIC EFFECTS

Chronic overexposure to the hazardous materials in this product has been associated with dermatitis.

12 ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available for this product.

13 DISPOSAL CONSIDERATIONS

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

WASTE DISPOSAL

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Be aware that State and Local requirements may differ widely depending on location and may in many cases be different from Federal rules.

14 TRANSPORT INFORMATION

COMMENTS

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations. This product is regulated under IMDG Classification for Ocean Transport as an environmentally hazardous substance, liquid, n.o.s. (contains copper metal powder), class 9, UN3082, PG III, Marine Pollutant.

Proper Shipping Name Non-Regulated
DOT Restrictions Not Applicable

15 REGULATORY INFORMATION

This MSDS is prepared and distributed pursuant to the Federal Hazard Communication Standard, 29 CFR 1910.1200.

FEDERAL REGULATIONS

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA - Hazardous Substances and their Reportable Quantities

COPPER	7440-50-8	final RQ = 5000 pounds (2270 kg) (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is equal to or exceeds 0.004 inches)
ZINC OXIDE	1314-13-2	statutory RQ = 1 pound (0.454 kg)

Based on an evaluation of the components used, this product does contain hazardous ingredients identified as per 29 CFR 1910.1200.

STATE REGULATIONS

If this product contains any ingredients listed under California Proposition 65, they will be noted below:

INTERNATIONAL REGULATIONS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and contains all the information required by the Controlled Products Regulations.

This is a "controlled product" under the Canadian Workplace Hazardous Materials Information System (WHMIS). Class D Division 2 Sub-division B.

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES

Not Regulated

SARA 311/312 HAZARD CATEGORIES

Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

SARA 313 TOXIC CHEMICALS

Component	CAS Number	Percentage
Copper Powder	7440-50-8	5 - 10
Zinc Oxide	1314-13-2	1 - 3
Aluminum Powder	7429-90-5	1 - 3

16 OTHER INFORMATION**DISCLAIMER**

The data in this MSDS has been compiled from publicly available sources. This data relates only to the designated product and not to the use of said product in combination with other materials. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist. Responsibility for proper precautions and safe use of the product lies with the user. All data in this MSDS is typical of the product as a whole, and does not represent any individual lot or batch, therefore, Bostik Findley, Inc. makes no warranty about the accuracy of the data herein and assumes no liability for the use of such data. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

Issue Date 10-Jul-2002 **Supersedes** 15-Nov-2001
Prepared By Russell Hardenber

MSDS Sections Reviewed and/or Updated

Composition / Information on Ingredients: COMPOSITION COMMENTS

Composition / Information on Ingredients: CONDITIONAL DEFAULT STATEMENTS



NEXT SAFETY SOLVENT

**TOTALLY
NONFLAMMABLE**

OZONE SAFE

**SAFE ON
ENERGIZED ELECTRICAL
EQUIPMENT**

NET WT. 18 OZ.
(1 LB. 2 OZ.) (510 Grams)

WARNING:
VAPOR HARMFUL
CONTENTS UNDER PRESSURE
SEE OTHER CAUTIONS ON BACK PANEL

**NON-FLAMMABLE • NONCONDUCTIVE
NON-COMBUSTIBLE • NON-CORROSIVE**

A residue free, super fast drying, high power spray that dissolves grease and rinses away dirt and grime without injury to working parts. Contains an acceptable replacement for 1,1,1-trichloroethane under the EPA SNAP program. Contains no CFC's, ozone depleting chemicals or petroleum distillates. Features a 36,200 volt dielectric strength combined with non-flammability make this the only degreaser safe for use on electric motors, generators, relays and control panels even while equipment is in operation.

ELECTRICAL USES: Automotive Parts, Diesel Engines, Marine Equipment, Aircraft Parts, Industrial Equipment, Heating and Air Conditioning Equipment, Refrigeration Equipment, Generators, Motors, Windings, Power Tools and Food Processing Equipment.

DIRECTIONS: Saturate part to be cleaned. Wipe or allow to air dry. For heavily encrusted areas, brush, then rinse off with a second application. May remove some paints, pre-testing is suggested.

DO NOT USE ON PLASTICS

WARNING: Contains Trichloroethylene (79-01-6), Isopropyl Alcohol (67-63-0) and Carbon Dioxide Propellant (124-38-9). Use only in a well ventilated area with a constant supply of fresh air. Avoid breathing vapors or spray mist. Excessive inhalation of vapors may cause nasal and respiratory irritation and central nervous system effects including dizziness, nausea and headaches. In confined or poorly ventilated areas, vapors can cause unconsciousness or fatality. If you experience eye watering, headaches or dizziness, increase air flow, wear respiratory protection or leave the area. Avoid eye contact and excessive skin contact. Do not expose to heat or store at temperatures above 120° F. Do not puncture or incinerate container. **WARNING:** This product contains a chemical known to the State of California to cause cancer.

KEEP OUT OF REACH OF CHILDREN

RECYCLING: When emptied through normal use, aerosol containers are completely recyclable. Consult local authorities.

FIRST AID

IF EYE CONTACT: Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

IF SKIN CONTACT: Wash with soap and water. If irritation persists seek medical attention.

EXCESSIVE INHALATION: Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

IF INGESTED: Do not induce vomiting. Seek medical attention immediately.

HMIS RATING: Health, 2; Flammability, 0; Reactivity, 1; Personal Protection, G.

For further information, consult Material Safety Data Sheet.

24 HOUR MEDICAL / TRANSPORTATION EMERGENCY 1-800-255-3924

TERAND INDUSTRIES, INC.
FT. LAUDERDALE, FL 33310



MATERIAL SAFETY DATA SHEET

COMPLIES WITH OSHA'S HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

SECTION I · PRODUCT IDENTIFICATION

Product Name: Next Safety Solvent

Product Number: 521

Product Type: AEROSOL

Supplier's Name: Terand Industries, Inc.

Supplier's Address: P.O. Box 667770 · Pompano Beach, FL. 33066

D.O.T. Hazard Class: CONSUMER COMMODITY · ORM-D

Formula: Proprietary

Date Prepared: 07/26/05

Emergency Phone: (800) 255-3924

Information Phone: (954) 974-5440

HMIS Rating (Based on Aerosol Conc.):

0-Minimal 1- Slight 2- Moderate

3- Serious 4- Extreme

HEALTH: 2 FIRE: 0 REACTIVITY: 1

Personal Protection : G

SECTION II · INGREDIENTS

CHEMICAL NAME	CAS #	%WT	313/Chem	Skin	Carcinogen	PEL	TWATLV
Trichloroethylene	79-01-6	90-100	YES	NO	YES	50 ppm	50 ppm
Isopropyl Alcohol	67-63-0	01-10	NO	NO	NO	400 ppm	400 ppm
Carbon Dioxide Propellant	124-38-9	01-10	NO	NO	NO	10,000 ppm	10,000 ppm

SECTION III · PHYSICAL DATA

Data Below Based On Aerosol Concentrate Only:

Boiling Point: ~186° F

pH: N/A

Solubility In Water: negligible

Appearance/Odor: Clear, colorless liquid / Ether-like odor

Data Below Based On Total Contents:

Vapor Pressure of can (psig @70°F): 90

Total VOC %: 97 %

Vapor Density(Air=1): 4. 5

Specific Gravity (H₂O=1)@75°F: 1.419

SECTION IV · FIRE AND EXPLOSION DATA

Flash Point (of Concentrate Only): None to Boiling

Flammability (as per USA Flame Projection Test): Non-Flammable Spray

Extinguishing Media: Foam, CO₂, Dry Media

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.

Unusual Fire and Explosion Hazards: Exposure to temperature above 120° F may cause bursting.

SECTION V · REACTIVITY DATA

Stability: Material Stable.

Hazardous Polymerization: Will not Occur.

Incompatibility: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride, Small amount of Phosgene.

SECTION VI · STORAGE AND HANDLING

KEEP OUT OF REACH OF CHILDREN.

For Industrial and Institutional use only.

Store in a cool, dry area away from heat or open flame.

Do not store at temperatures above 120° F.

NFPA Code 30B Rating: Level 1 Aerosol.

SECTION VII · HEALTH AND FIRST AID

PRIMARY ROUTES OF ENTRY & EFFECTS OF OVER EXPOSURE:

Eyes: Causes severe irritation, redness, tearing, and blurred vision.

Skin: Frequent or prolonged contact may cause irritation and possibly dermatitis. May aggravate existing skin conditions.

Inhalation: Inhalation of mist can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract and central nervous system effects, including dizziness nausea, headaches, unconsciousness, or death. Long-term overexposure may cause liver or kidney injury..

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis and pulmonary edema.

FIRST AID PROCEDURES:

Eyes: Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

Skin: Wash with soap and water. If irritation persists seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.

Ingestion: Do not induce vomiting. Seek medical attention immediately.

SECTION VIII · SPECIAL PROTECTION DATA

Respiratory Protection: If workplace exposure limits are exceeded (see Section II), use a NIOSH approved air purifying respirator for single short-term exposure. Use a positive-pressure, air-supplied respirator for multiple or long-term exposures.

Ventilation: Provide local exhaust to keep air concentrations of ingredients listed in Section II below established exposure limits.

Protective Gloves: Use chemical resistant gloves (Viton® or Silver Shield® preferred) to help prevent skin contact.

Eye Protection: Always wear safety glasses or chemical proof goggles when working with chemicals.

SECTION IX · SPILL OR LEAK PROTECTION

STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK: Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and local laws.

WASTE DISPOSAL METHOD: Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and local authorities for approved procedures.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

NOTICE: The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data, or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.