

Safety Data Sheet
Super Penetrant

SECTION I - IDENTIFICATION

PRODUCT IDENTIFIER: Super Penetrant
PRODUCT CODE: 9590, 9450, 9941, 8429
RECOMMENDED USE: Lubricating Penetrant for metal and metal parts
RESTRICTIONS ON USE: None known.
COMPANY NAME: Tifco Industries
COMPANY ADDRESS: P.O. Box 40277, Houston, TX 772
COMPANY PHONE: 281-571-6000
EMERGENCY PHONE: 800-255-3924

SECTION II – HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable Aerosol: Category 1
Gases Under Pressure: Liquefied Gas
Carcinogenicity: Category 1A
Aspiration Hazard: Category 1
Germ Cell Mutagenicity: Category 1B

HAZARD STATEMENT(S): DANGER: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. May cause cancer. May cause genetic defects.

This product contains the following percentage of chemicals of unknown toxicity: 0%

PRECAUTIONARY STATEMENTS: Keep away from heat, sparks, open flames and hot surfaces. -No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Wear protective gloves, protective clothing and eye protection. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical advice or attention. Dispose of container in accordance with Federal, State and local regulations

SYMBOL:



HAZARDS NOT OTHERWISE CLASSIFIED: N/A

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Distillates (petroleum), hydrotreated light	64742-47-8	45-55%
Distillates (petroleum), straight-run middle	64741-44-2	15-25%
Hydrotreated naphtha, heavy	64742-48-9	0.1-1%
Petroleum gases, liquefied, sweetened	68476-86-8	15-25%

Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION IV - FIRST AID MEASURES

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

INGESTION: If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting.

INHALATION: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

SKIN: Wash thoroughly with soap and water for 15 minutes. Seek medical attention if irritation develops.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision. Skin: defatting and dermatitis. Inhalation: Irritation. Oral: abdominal irritation, nausea, vomiting, and diarrhea.

CHRONIC HEALTH HAZARDS: None known.

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NOTE TO PHYSICIAN: There is no specific treatment regimen. Treatment of overexposure should be directed toward the control of symptoms and the clinical condition of the patient.

SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Dry chemical, foam or carbon dioxide.

UNSUITABLE EXTINGUISHING MEDIA: Water spray/stream.

SPECIAL FIRE FIGHTING PROCEDURES: Wear SCBA in fire situations. Use water spray to cool containers exposed to fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep away from sparks, open flames and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Absorb spill with non-combustible material such as vermiculite, sand or earth. Dispose of in accordance with local, state and federal regulations.

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Wrap container and place in trash collection.

RCRA STATUS: Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use. Store locked up.

OTHER PRECAUTIONS: Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health. Keep out of the reach of children.

INCOMPATIBILITY: May affect certain plastics, alkalis, strong acids and oxidizers.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Distillates (petroleum), hydrotreated light	Not Established	200 mg/m ³
Distillates (petroleum), straight-run middle	Not Established	200 mg/m ³
Hydrotreated naphtha, heavy	500 ppm	Not Established
Petroleum gases, liquefied, sweetened	1000 ppm	1000 ppm

ENGINEERING CONTROLS / VENTILATION: Normal, forced ventilation required. Local exhaust ventilation is generally preferred.

RESPIRATORY PROTECTION: If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses/goggles.

ADDITIONAL MEASURES: Wash hands thoroughly after handling.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Brown aerosol spray.

ODOR: Mild petroleum.

ODOR THRESHOLD: N/D

pH: N/A

MELTING POINT/FREEZING POINT: N/D

INITIAL BOILING POINT AND BOILING RANGE: N/D

FLASH POINT: N/D

EVAPORATION RATE: < 1

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FLAMMABILITY (solid/gas): Extremely flammable aerosol.
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:
LOWER FLAMMABILITY LIMIT: N/D
UPPER FLAMMABILITY LIMIT: N/D
EXPLOSIVE LIMIT LOWER (%): N/D
EXPLOSIVE LIMIT UPPER (%): N/D
VAPOR PRESSURE (mm Hg): N/D
VAPOR DENSITY (AIR=1): N/D
RELATIVE DENSITY (H₂O=1): 0.80 to 0.82 g/ml @ 77°F (25°C)
SOLUBILITY(IES): 0%
PARTITION COEFFICIENT: n-OCTANOL/WATER (K_{ow}): N/D
AUTOIGNITION TEMPERATURE: N/D
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY

REACTIVITY: If exposed to strong oxidizers, presents explosion hazard.
CHEMICAL STABILITY: Stable.
POSSIBLE HAZARDOUS REACTIONS: None known.
CONDITIONS TO AVOID: Sources of ignition.
INCOMPATIBLE MATERIALS: May affect certain plastics, alkalis, strong acids and oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, various hydrocarbons.

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Distillates (petroleum), hydrotreated light (64742-47-8): LD₅₀ (Oral, Rat) 5 g/kg; LD₅₀ (Dermal, Rabbit) 2 g/kg; LC₅₀ (Inhalation, Rat, 4h) 5 mg/L. **2-Butoxyethanol (111-76-2):** LD₅₀ (Oral, Rat) 320 mg/kg; LD₅₀ (Dermal, Rabbit) 440 mg/kg; LC₅₀ (Inhalation, Mice, 4h) 700 ppm.

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin
EYES: Causes irritation, redness, tearing.
INGESTION: Low degree of toxicity by ingestion. Aspiration hazard. This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.
INHALATION: May cause dizziness and/or headaches. Causes respiratory tract irritation. Prolonged exposure may lead to unconsciousness.
SKIN: May cause mild irritation, localized defatting.
MEDICAL CONDITION AGGRAVATED: Excessive exposure will aggravate pre-existing skin disorders, respiratory, liver, kidney, cardiovascular or pulmonary illnesses.
ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision.
Skin: defatting and dermatitis.
Inhalation: Irritation.
Oral: abdominal irritation, nausea, vomiting, and diarrhea.
CHRONIC HEALTH HAZARDS: None known.
CARCINOGENICITY: OSHA: No ACGIH: No NTP: No IARC: No OTHER: CA Prop 65

SECTION XII – ECOLOGICAL INFORMATION

ECOTOXICITY: Not established.
PERSISTENCE AND DEGRADABILITY: Component or components of this product are not biodegradable.
BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.
MOBILITY IN SOIL: This product is mobile in soil.
OTHER ADVERSE EFFECTS: This material is toxic to aquatic life.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Wrap container and place in trash collection.
RCRA STATUS: Waste likely considered D001 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

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SECTION XIV - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN1950
PACKING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, flammable.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN1950
PACKING GROUP: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG)
PROPER SHIPPING NAME: Aerosols.
HAZARD CLASS/DIVISION: 2.1
UN/NA NUMBER: UN1950
PACKING GROUP: N/A
ENVIRONMENTAL HAZARDS WATER: Marine Pollutant.

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): None.
SARA 311/312 HAZARD CATEGORIES: None.
SARA 313 REPORTABLE INGREDIENTS: **2-Butoxyethanol** (111-76-2).
CLEAN WATER ACT: None.
STATE REGULATIONS: California Proposition 65: WARNING: This product can expose you to chemicals including Ethylbenzene, which is known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov. **2-Butoxyethanol** (111-76-2): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, PA, RI. **Ethyl benzene** (100-41-4): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, IL, ME, MA, MN, NJ, NY, PA, RI, WA, WI. **Toluene** (108-88-3): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, IL, ME, MA, MI, MN, NJ, NY, NC, PA, RI, WA, WI.
INTERNATIONAL REGULATIONS: **2-Butoxyethanol** (111-76-2) Europe (EINECS), Japan (ENCS), Australia (AICS), WHMIS (Canada), DSCL (EEC), NDSL, Korea (ECL), Philippines (PICCS), New Zealand (NZIOC), China (IECS).
VOLATILE ORGANIC COMPOUNDS (VOC): 24.9%

NFPA HEALTH:	1	HMIS HEALTH:	*1
NFPA FLAMMABILITY:	2	HMIS FLAMMABILITY:	2
NFPA REACTIVITY:	1	HMIS REACTIVITY:	1
NFPA OTHER:	None	HMIS PROTECTION:	B

SECTION XVI - OTHER INFORMATION

PREPARATION BY: Mitch Whitney
DATE PREPARED: 11/21/2023
REVISION DATE: N/A

N/A = Not Applicable; N/D = Not Determined

DISCLAIMER: To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. 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 hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or

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