

MATERIAL SAFETY DATA SHEET

Total Solutions
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GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

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I - Product Identification

Multi-Purpose Penetrant

PRODUCT CODE: 8101

CHEMICAL FORMULATION: Pressurized wet lubricant.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0
HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX	OSHA	ACGIH	EPA 40 CFR:			CAS #
	%	PEL	TLV	302	355	372	
Stoddard Solvent	20.0-25.0	500 ppm	100 ppm	N	N	N	8052-41-3
Synthetic Isoparaffinic Hydrocarbon	10.0-15.0	N/E	N/E	N	N	N	64742-47-8
Acetone	10.0-15.0	1000 ppm	750 ppm	Y	N	N	67-64-1
2-Butoxyethanol	5.00-10.0	25 ppm (skin)	25 ppm (skin)	N	N	Y	111-76-2
Light Aromatic Solvent Naphtha	1.00-5.00	N/E	N/E	N	N	N	64742-47-8
Oxidate	1.00-5.00	N/E	N/E	N	N	N	None
Propane (propellant)	5.00-15.0	1000 ppm	2500 ppm	N	N	N	74-98-6

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No

302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).

355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).

372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/D

SPECIFIC GRAVITY (WATER = 1): 0.7542

VAPOR PRESSURE (psig): 104 @ 130F / 53 @ 70F

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Negligible

pH: N/A

APPEARANCE AND ODOR: Aerosol spray with a bland odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > -4 (liquid) (TEST METHOD): FLAME EXTENSION: N/D NFPA 30B Rating: 3

FLAMMABLE LIMITS IN AIR (VOLUME %)(propellant) UPPER: 9.5 LOWER: 2.2

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: Exposure to temperatures above 120 °F can cause cans to burst. Solvent vapors may cause flashback.

V - Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Oxidizing and reducing agents.

CONDITIONS TO AVOID: Heat sparks, open flames, and electric arcs. Dropping container may cause bursting.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce oxides of carbon and hydrocarbon vapors.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X

INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: May cause severe irritation burning sensation, tearing and redness.

IF ON SKIN: Mild irritation, redness, dryness, irritation, dermatitis with prolonged or repeated exposure.

IF SWALLOWED: Gastrointestinal irritation, nausea, cramps, vomiting. Possible aspiration hazard. May cause inflammation to the lungs.

IF INHALED: Irritation to eyes, nose and upper respiratory tract. May cause dizziness, headaches, incoordination nausea, vomiting and upset stomach.

EMERGENCY AND FIRST AID PROCEDURES

IF IN EYES: Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. Obtain immediate medical attention.

IF ON SKIN: Remove contaminated clothing and flush skin with water for at least 15 minutes. Launder clothing separately before reuse. Obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Rinse mouth with water and give 1 glass of water, if able to swallow. Do not induce vomiting unless instructed by a physician or poison control center. Never give anything to an unconscious person.

IF INHALED: Remove person to fresh air. If breathing has stopped, give artificial respiration. If irritation persists, obtain medical attention.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Extinguish all sources of ignition. Contain spill and soak up spilled material with inert absorbent material and place in a labeled closed container.

WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following the manufacturer's recommendations.

VENTILATION

LOCAL: Recommended

MECHANICAL: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses or chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Impervious clothing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat sparks or open flame. Do not expose to direct sunlight or store at temperatures above 120F.

OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate can.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Consumer Commodity

DOT CLASS: ORM-D

DOT ID NUMBER: None

DOT PACKING GROUP: None

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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