

SECTION 1 - PRODUCT IDENTIFICATION

Product identifier/Trade name: THE GLUE BUSTER
Product code/Internal Identification: BO-1960
Product use/Description: Fast glue remover
Product chemical name: N/Ap
Chemical family: N/Ap
MSDS preparation/review date: January 27/2017
Supplier identifier: Kosmic Surf-Pro Inc.
 530, rue Charbonneau RR 102, Saint-Amable, QC J0L 1N0
Manufacturer identifier: Same as supplier
Emergency phone number: 450-649-3901 or 1-877-711-0711 or CANUTEC 613-996-6666
WHMIS Classification: B3 – Combustible liquid.
 D1B – Toxic material with immediate and serious effects.
 D2A & D2B – Toxic material with other effects.

SECTION 2 - CHEMICAL COMPOSITION / HAZARDOUS INGREDIENTS

| Hazardous Ingredients | CAS # | % (weight) | LD ₅₀ (route, species) | LC ₅₀ (species) |
|--|---------|------------|--|----------------------------|
| Methylene chloride or Dichloromethane | 75-09-2 | 60-100 | 985 mg/kg (oral, rat) | 22170 ppm 4Hr (rat) |
| Methanol | 67-56-1 | 5-10 | 5600 mg/kg (oral, rat) 15800 mg/kg (dermal, rabbit) | 64000 ppm 4Hr (rat) |

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview

DANGER! Combustible & toxic liquid. Causes eye and skin irritation. May be fatal if inhaled or ingested. May cause cancer and have adverse reproduction effects.

POTENTIAL HEALTH EFFECTS

Primary entry route(s): Skin contact, skin absorption, eye contact, ingestion and inhalation.

Effects of short-term (acute) exposure:

Inhalation: May cause moderate irritation to the respiratory tract. High vapour concentrations may cause headache, nausea, dizziness, vomiting, drowsiness, incoordination and confusion. Toxic. May be fatal if inhaled.

Skin: Causes severe skin irritation.

Eye: Causes severe irritation.

Ingestion: Ingestion may cause blindness. May result in vomiting and diarrhea. Toxic. May be fatal if ingested. Possible aspiration hazard.

Effects of long-term (chronic) exposure: N/Av

Other important hazards: Refer to Section 11, Toxicological Information, for further information.

SECTION 4 - FIRST AID MEASURES

Inhalation:

Remove source of contamination or have victim move to fresh air. If not breathing, give artificial respiration. Obtain medical attention immediately.

Skin contact:

Flush contaminated area with lukewarm, gently flowing water for at least 15-20 minutes. Immediately transport victim to an emergency care facility. Discard all contaminated clothing.

Eye contact:

Immediately flush the contaminated eye(s) with gently flowing lukewarm water for at least 15-20 minutes while holding the eyelid(s) open. Immediately transport victim to an emergency care facility.

Ingestion:

NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Repeat administration of water. Obtain medical attention immediately.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: Combustible. This product does burn under normal conditions when the temperature exceeds the flash point.

Flash point (Method): 53.0°C (Closed cup Pensky-Marten)

Lower flammable limit (% by volume): N/Av

Upper flammable limit (% by volume): N/Av

Sensitivity to mechanical impact: N/Av

Sensitivity to static discharge: N/Av

Auto-ignition temperature: N/Av

Suitable extinguishing media: Carbon dioxide, dry chemical powder and appropriate foam.

Special fire-fighting procedures/equipment:

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection.

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk.

Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Hazardous combustion products: Carbon oxides and other irritating fumes and smoke.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Remove all ignition sources. Remove or isolate flammable and combustible materials. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

Spill response/Cleanup:

Ventilate area of release. Eliminate all sources of ignition. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13).

Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Environmental precautions:

Confine spill, preventing it from entering sewer lines or waterways. Dispose of as per local, state and federal regulations.

SECTION 7 - HANDLING AND STORAGE

Safe handling procedures:

Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Do not use near welding operations, flames or hot surfaces. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing vapours or mists. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of vapours or mists. Keep away from incompatible materials such as strong oxidizing materials. Keep containers closed when not in use. Empty containers are always dangerous. Assume that empty containers contain residues which are hazardous.

Storage requirements:

Store in a cool, dry, well-ventilated area, away from heat, sunlight and ignition sources. Store away from incompatible materials. Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks. Keep away from children.

Incompatible materials:

STRONG OXIDIZING MATERIALS, strong acids, strong bases...

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limits: There is no available data for the product. See below for individual ingredient exposure limits.

| Ingredient | OSHA PEL | | ACGIH TLV | |
|---------------------------------------|----------|---------|-----------|---------|
| | TWA | STEL | TWA | STEL |
| Methylene chloride or Dichloromethane | 25 ppm | 125 ppm | 50 ppm | N/Av |
| Methanol | 200 ppm | N/Av | 200 ppm | 250 ppm |

Engineering controls:

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits.

Respiratory Protection:

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown.

Protective Clothing/Equipment:

Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

General Hygiene Considerations:

Avoid generating high concentrations of vapours or mists. Avoid contact with skin and eyes. Avoid breathing vapours or mists. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state, colour and odour: Colourless liquid. Ester-like odour.

Odour threshold: N/Av

pH : N/Av

Melting/freezing point: N/Av

Coefficient of oil/water distribution: N/Av

Specific gravity or density (water = 1): 1.2

Evaporation rate (n-Butyl acetate = 1): N/Av

Boiling point: N/Av

Vapour pressure (@ 20°C): N/Av

Solubility in water: N/Av

Vapour density (Air = 1): N/Av

% volatile by volume: N/Av

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity: Stable under the recommended storage and handling conditions prescribed.

Polymerization: Hazardous polymerization will not occur.

Conditions to avoid: Avoid heat, sparks, open flames or any other ignition sources.

Materials to avoid: Incompatible materials (see Section 7).

Hazardous decomposition products: Refer to 'Hazardous combustion products', Section 5.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data:

There is no available data for the product itself, only for the ingredients. **For more details, refer to Section 2.**

Carcinogenicity: Methylene chloride is listed by IARC, ACGIH, NTP or OSHA as a carcinogen.

Teratogenicity, mutagenicity, other reproductive effects: Methylene chloride is a mutagen. Methanol is a teratogen.

Skin sensitization: N/Av

Respiratory tract sensitization: N/Av

Conditions aggravated by exposure: N/Av

Synergistic materials: N/Av

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects: There is no available data on the product itself. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

Important environmental characteristics: N/Av

Aquatic toxicity: N/Av

SECTION 13 - WASTE DISPOSAL

Handling and storage conditions for disposal:

Store material for disposal as indicated in Handling and Storage (Section 7).

Methods of disposal: Review federal, provincial and local government requirements prior to disposal.

SECTION 14 - TRANSPORTATION INFORMATION

Transportation of Dangerous Goods Regulations (TDGR) :

TDG Classification: UN1992, FLAMMABLE LIQUID, TOXIC, N.O.S. (METHANOL), CLASS 3(6.1), PG III

Special case: Product can also be shipped as a LIMITED QUANTITY/CONSUMER COMMODITY according to TDG Section 1.17.

SECTION 15 - REGULATORY INFORMATION

WHMIS information:

Product is regulated according to the Controlled Product Regulations (CPR) in Canada. Refer to Section 1 for the appropriate WHMIS classification. *This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and this MSDS contains all the information required by the CPR.*

Canadian Environmental Protection Act (CEPA) information: The ingredients in this product are listed on the DSL.

Hazardous Materials Identification System (HMIS):

HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0 PERSONAL PROTECTION: See Section 8.

HAZARD SCALE: * = Chronic hazard 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION 16 - OTHER INFORMATION

Prepared by: NSS ENTREPRISE INC. for Kosmic Surf-Pro Inc.

Telephone number: Telephone 450-649-3901

References:

1. Material Safety Data Sheets from manufacturer/supplier.
2. CSST, Répertoire Toxicologique, Les produits, 2014.
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2014.

Abbreviations:

| | |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| AIHA | American Industrial Hygiene Association |
| C | Ceiling |
| CAS | Chemical Abstract Service |
| DSL | Domestic Substance List |
| IARC | International Agency for Research on Cancer |
| LC | Lethal concentration |
| LD | Lethal Dosage |
| N/Ap | Not applicable |
| N/Av | Not available |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program (U.S.A.) |
| OSHA | Occupational Safety and Health Administration (U.S.A.) |
| PEL | Permissible Exposure Limit |
| STEL | Short-term Exposure Limit |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |
| TWA | Time Weighted Average |
| WEEL | Workplace Environmental Exposure Level |
| WHMIS | Workplace Hazardous Materials Information System |

Notice to users of this product :

This data is offered in good faith as typical values and not as a product specification. The KOSMIC SURF-PRO INC. company does not accept responsibility on injuries caused to users of this product if safety measures are not in accordance with indications of the material safety data sheet. Also, KOSMIC SURF-PRO INC. does not accept responsibility on injuries caused to anybody who use this product in a non-compliant or incorrect manner, even if safety measures used were reasonable. Finally, buyers and third party accept the risk resulting from the use of this product.

End of the MSDS