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## Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

### I. PRODUCT IDENTIFICATION

**Product Name:** GUMOUT BRAKE CLEAN  
**Item No:** 29213  
**Product Type:** Aerosol cleaner

### II. COMPOSITION/INFORMATION ON INGREDIENTS

| Component:                 | Weight% | LD50/oral/rat | LC50/inhalation/rat | ACGIH; TLV-TWA |
|----------------------------|---------|---------------|---------------------|----------------|
| N-HEXANE<br>110-54-3       | 60-100  | 25 g/kg       | 48000 ppm/4H        | 50 ppm         |
| CARBON DIOXIDE<br>124-38-9 | 3-7     | not available | not available       | 5000 ppm       |
| ETHANOL<br>64-17-5         | 3-7     | 7060 mg/kg    | 124.7 mg/L (4H)     | 1000 ppm       |

### III. PHYSICAL DATA

**Physical State/Appearance:** Aerosol/Clear liquid  
**Odour & Odour Threshold:** Solvent odour  
**Specific Gravity:** 0.675-0.685  
**Evaporation Rate:** >1.0 (butyl acetate = 1)  
**Vapour Pressure:** Not determined  
**Vapour Density:** Heavier than air  
**Freezing Point:** Not determined  
**pH:** Does not apply  
**Octanol/Water Coefficient:** Not determined  
**Boiling Point:** >38°C (100°F)

### IV. FIRE AND EXPLOSIVE DATA

**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, Foam  
**Hazardous Combustion Products:** Oxides of carbon  
**Sensitivity to Static Discharge:** Aerosol cans are under pressure and may explode in fire.  
**Conditions of Flammability:** FLAMMABLE: Sprayed product will project flame and may flashback on contact of spray with an ignition source. Contents under pressure. Keep containers cool. Containers may explode if heated. Use equipment or shielding to protect personnel from bursting containers. Vapours are heavier than air and may travel or be moved along the ground to an ignition source. Do not use on vehicle unless cool.  
**Flash Point/Range:** Flame projection >15 cm but <100 cm.  
**Autoignition Temperature:** Not determined  
**Upper Explosive Limit:** Not determined  
**Lower Explosive Limit:** Not determined

### V. REACTIVITY DATA

**Conditions Causing Chemical Instability:** None  
**Materials to avoid:** Strong oxidizing agents  
**Conditions of Reactivity:** Avoid excessive heat, sparks and open flame.  
**Hazardous Decomposition Products:** Carbon oxides

### VI. HAZARDS IDENTIFICATION

**Primary Routes of Exposure:** Eye and skin contact, ingestion, inhalation  
**Existing Conditions Aggravated by Exposure:** Hexane: Central and peripheral nervous system, vision defects

**Toxicity Information:** (See Effects of Acute Exposure to Product)

**Effects of Acute Exposure:** Excessive exposure may cause headache, nausea, dizziness and in extreme cases, unconsciousness, respiratory depression. Inhaling may cause mild irritation to the nose, throat and respiratory tract. Intentionally concentrating and inhaling the vapor may be harmful or fatal. May cause eye and skin irritation.

## **VI. HAZARDS IDENTIFICATION**

|  |   |
|--|---|
| <b>Effects of Chronic Exposure:</b>          | Long term overexposure to solvents have been associated with lung, liver and kidney damage. Overexposure to methyl ethyl ketone and n-hexane may cause peripheral nerve damage (that of arms and legs) and result in muscular weakness and loss of sensation. |
| <b>Irritancy of Product:</b>                 | Inhalation: Dizziness, anesthesia, unconsciousness, difficulty in breathing. Irritation of eyes, skin, nose and throat. May cause dermatitis on prolonged contact in sensitive individuals.   |
| <b>Sensitization to Product:</b>             | <b>(See Effects of Acute Exposure to Product)</b>   |
| <b>Carcinogenicity:</b>                      | <b>(See Effects of Chronic Exposure to Product)</b>   |
| <b>Reproductive Toxicity:</b>                | <b>(See Effects of Chronic Exposure to Product)</b>   |
| <b>Teratogenicity:</b>                       | <b>(See Effects of Chronic Exposure to Product)</b>   |
| <b>Mutagenicity:</b>                         | <b>(See Effects of Chronic Exposure to Product)</b>   |
| <b>Toxicologically Synergistic Products:</b> | Exposure to alcohol may enhance any potential for liver toxicity.   |
| <b>WHMIS Hazard Class:</b>                   | A COMPRESSED GAS, B5 FLAMMABLE AEROSOLS, D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS  |

## **VII. PREVENTATIVE MEASURES**

|   |  |
|---|--|
| <b>Personal Protection</b>                |  |
| <b>Eyes:</b>                              | Safety glasses.  |
| <b>Skin:</b>                              | Neoprene or nitrile gloves recommended.  |
| <b>Ventilation:</b>                       | General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product. In case of insufficient ventilation, wear an organic vapor respirator               |
| <b>Engineering Controls:</b>              |  |
| <b>Spill Procedures:</b>                  | Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Prevent from entering waterways or sewers.  |
| <b>Protection of Man and Environment:</b> | Follow Canadian and local regulations for disposal.  |
| <b>Handling Procedures and Equipment:</b> | Use with adequate ventilation. Use good personal hygiene. Avoid smoking, eating or drinking during use. Wash with soap and water after handling. Contents under pressure. Do not puncture or incinerate container. Store away from heat, sparks and open flame. Store at temperatures below 50°C.            |
| <b>Special Handling Information:</b>      | Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use. Keep away from heat, sparks and open flame. Do not spray into eyes or onto skin. Do not use for prolonged periods in confined area without adequate ventilation. |

## **VIII. FIRST AID MEASURES**

|                      |   |
|----------------------|---|
| <b>Ingestion:</b>    | If swallowed, DO NOT induce vomiting. Give victim water, call a physician immediately. Never give anything by mouth to an unconscious person.                           |
| <b>Inhalation:</b>   | If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention. |
| <b>Skin Contact:</b> | Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention.  |
| <b>Eye Contact:</b>  | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.                               |

## **IX. SHIPPING INFORMATION**

### **Canadian Transportation of Dangerous Goods**

|                              |                            |
|------------------------------|----------------------------|
| <b>Proper Shipping Name:</b> | Aerosols, Limited Quantity |
| <b>Hazard Class:</b>         | Class 2.1                  |
| <b>UN/ID No:</b>             | UN 1950                    |

### **IATA (Air)**

|                              |                    |
|------------------------------|--------------------|
| <b>Proper Shipping Name:</b> | Consumer Commodity |
| <b>Class or Division:</b>    | Class 9            |
| <b>UN/ID Number:</b>         | ID 8000            |

### **IMDG (Vessel)**

|                              |                            |
|------------------------------|----------------------------|
| <b>Proper Shipping Name:</b> | Aerosols, Limited Quantity |
| <b>Hazard Class:</b>         | Class 2.1                  |
| <b>UN Number:</b>            | UN 1950                    |

## **X. PREPARATION INFORMATION**

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 4, PHYSICAL HAZARD 0  
(HMIS is a registered trademark of the National Paint and Coatings Association)

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 4, REACTIVITY 0  
(NFPA is a registered trademark of the National Fire Protection Association)

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## **X. PREPARATION INFORMATION**

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