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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: GASKET REMOVER 4MA 12OZ AE
Item No: 80646
Product Type: Aerosol cleaner

2. COMPOSITIONAL INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
DICHLOROMETHANE 75-09-2	60-100	50 ppm	25 ppm
PETROLEUM GASES, LIQUEFIED, SWEETENED 68476-86-8	10-30	Not listed	Not listed
METHANOL 67-56-1	<10	200 ppm	200 ppm; 260 mg/m ³
TRIETHANOLAMINE 102-71-6	<5	5 mg/m ³	Not listed

3. HAZARDS IDENTIFICATION

Toxicity: Harmful if inhaled. Harmful if swallowed. May cause eye, skin and respiratory irritation. Vapors are anesthetic in high concentrations. Deliberately concentrating and inhaling the vapor may be harmful or fatal. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss. Prolonged exposure may cause liver and kidney effects and may affect the central nervous system. Methylene chloride will have an effect on the cardiovascular system. Inhalation of high concentrations of Methylene chloride over long periods of time has caused cancer in laboratory animals. Methanol may cause blindness or death if swallowed.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Inhaling may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. Overexposure may cause eye and skin redness.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
DICHLOROMETHANE 75-09-2	60-100	Group 2: Suspect Carcinogen	A3 - Animal Carcinogen	Group 2B: Monograph 41, Supplement 7, Monograph 71; 1998
TRIETHANOLAMINE 102-71-6	<5	male rat-equivocal evidence; female rat-no evidence; male mice-inadequate; female mice-inadequate		Group 3; Monograph 77, 2000

Medical Conditions Recognized as Being Aggravated by Exposure: Heart disease, respiratory disorders, liver and kidney diseases, anemia, rhythm disorders of the heart.

4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. If not breathing, give artificial respiration. Obtain medical attention.

Skin Contact: Wash off with soap and water. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point °F(C°): Flammable per flame projection
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus. Keep containers cool. Use equipment or shielding required to protect against bursting or venting of containers. Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.
Hazardous Products of Combustion: Oxides of carbon, Hydrogen chloride
Unusual Fire/Explosion Hazards: Contents under pressure. Exposure to temperatures over 120 degrees F. may cause bursting or venting. Use equipment or shielding to protect personnel from bursting containers.
Lower Explosive Limit: Not determined
Upper Explosive Limit: Not determined

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C).
Handling: Avoid contact with skin and eyes. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Intentionally concentrating and inhaling the vapor may be harmful or fatal. Do not use near heat, sparks or open flame. Wash thoroughly after handling. Discard contaminated leather gloves and shoes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended.
Ventilation: 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.
Respiratory Protection: An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid
Odor: Ether odor
Boiling Point: >100°F
pH: Not applicable
Solubility in Water: Partial
Specific Gravity: 1.17-1.27
VOC(Wt.%): 24%
Vapor Pressure: Not Determined
Vapor Density (Air=1): >1
Evaporation Rate: >1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: Will not occur.
Incompatibilities: Strong oxidizers, Active metals
Conditions to Avoid: Keep away from heat, sparks and open flame. - No smoking.
Hazardous Products of Combustion: Oxides of carbon, Hydrogen chloride

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations. This container may be recycled in aerosol recycling centers. Before offering for recycling, empty the can by using the product according to the label. If recycling is not available, wrap the container and discard in the trash.
US EPA Waste Number: D001/F002 - Hazardous waste per 40CFR 261.21 and 261.31 (Methylene Chloride)

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Ground Transport (DOT)

DOT Shipping Name: Consumer Commodity
Hazard Class: ORM-D
UN/ID Number: None

IATA

Proper Shipping Name: Aerosols, flammable, containing substances in Division 6.1, Packing Group III
Class or Division: Class 2.1, Subsidiary Risk 6.1
UN/ID Number: UN 1950

IMDG

Proper Shipping: Aerosols, (Dichloromethane), Limited Quantity
Hazard Class: Class 2.1, 6.1
UN Number: UN 1950

Marine Pollutant: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

DICHLOROMETHANE, METHANOL

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer

SCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 3, FLAMMABILITY 3, REACTIVITY 0.
Estimated HMIS Classification: HEALTH 3, FLAMMABILITY 3, PHYSICAL HAZARD 0
NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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