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SAFETY DATA SHEET

Globally Harmonized System (GHS)

1. IDENTIFICATION OF THE PREPARATION

Identification of the preparation:
 GASKET REMOVER 4MA 12OZ AE

Item No:
 80646

Recommended use:
 Cleaner

2. HAZARDS IDENTIFICATION



Classification:

Flammable aerosol, Category 2
 Skin irritation, Category 2
 Eye irritation, Category 2
 Carcinogenic, Category 2

Statements of hazard:

Danger
 Contains gas under pressure; may explode if heated
 Flammable aerosol
 Causes skin irritation
 Causes serious eye irritation
 Suspected of causing cancer

Precautions for safe handling:

Pressurized container: Do not pierce or burn, even after use
 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
 Do not spray on an open flame or other ignition source
 Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/clothing and eye/face protection
 Wash hands thoroughly after handling
 Keep out of the reach of children

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	GHS Classification
DICHLOROMETHANE 75-09-2	60-100	Skin Irrit. 2 Eye Irrit. 2 Carc. 2
PETROLEUM GASES, LIQUEFIED, SWEETENED 68476-86-8	10-30	Liquef. Gas Carc. 1A Muta. 1B Nota K
METHANOL 67-56-1	<10	Flam. Liq. 2 Acute Tox. 3 STOT Single 1
TRIETHANOLAMINE 102-71-6	<5	Skin Irrit. 2 Eye Irrit. 2

4. FIRST-AID MEASURES

Inhalation: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical attention/advice

Skin Contact: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before re-use.

Eye Contact: IF IN 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/attention.

Ingestion: IF SWALLOWED: Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide (CO₂), Dry chemical, foam

Unsuitable Extinguishing Media: None known

Unusual Fire/Explosion Hazards: Flammable. Keep away from heat and sources of ignition. Risk of receptacle bursting. Thermal decomposition can lead to release of irritating gases and vapours.

Special protective equipment for firefighters: Avoid contact with skin and eyes. Use personal protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: For additional information on processing see sections 7, 8 and 11 of this safety data sheet.

Environmental Precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

Handling precautions: Warning! Container under pressure. Keep away from sources of ignition - No smoking. Do not puncture or incinerate container. Read label before use. Avoid breathing vapors or mists. Avoid contact with the skin and the eyes. Wear appropriate personal protective equipment. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing and protective gear before reuse.

Storage: Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH; TLV-TWA	German MAK; TWA	Finnish OEL; HTP	UK WEL; TWA	Japan TWA
DICHLOROMETHANE 75-09-2	50 ppm	Not listed	8h: 100 ppm; 350 mg/m ³ ; 15min: 250 ppm; 880 mg/m ³	100 ppm; 350 mg/m ³	50 ppm; 170 mg/m ³
PETROLEUM GASES, LIQUEFIED, SWEETENED 68476-86-8	Not listed	Not listed	Not listed	Not listed	Not listed
METHANOL 67-56-1	200 ppm	200 ppm; 270 mg/m ³	8h: 200 ppm; 270 mg/m ³ ; 15min: 250 ppm; 330 mg/m ³	200 ppm; 266 mg/m ³	200 ppm; 260 mg/m ³
TRIETHANOLAMINE 102-71-6	5 mg/m ³	Not listed	8h; 5 ppm	Not listed	Not listed

Engineering controls: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Respiratory Protection: Use respirator when performing operations involving potential exposure to vapour of the product. The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Eye protection: Safety glasses

Skin and body protection: Neoprene gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid	Odor:	Ether
Odor Threshold:	Not determined	pH:	Does not apply
Melting/Freezing Point:	Not determined	Boiling point/range:	>38°C
Flash point:	Flammable aerosol per flame projection test	Evaporation Rate:	>1.0 (butyl acetate = 1)
Explosion limits:	Not determined	Vapor pressure:	Not determined
Vapor density:	>1 (Air = 1)	Density:	1.17-1.27
VOC Content(%):	24%	Solubility in water:	Slight
Partition coefficient (n-octanol/water):	Not determined	Autoignition Temperature:	No information available
Decomposition Temperature:	No information available		

10. STABILITY/REACTIVITY

Chemical Stability:	Stable under normal conditions
Conditions to Avoid:	Keep away from heat, sparks and open flame
Materials to avoid:	Strong oxidizing agents
Hazardous decomposition products:	Carbon oxides, Phosgene, Hydrochloric acid

11. TOXICOLOGICAL INFORMATION

Component	LD50/oral/rat	LD50/dermal/rabbit	LC50/inhalation/rat	IARC
DICHLOROMETHANE 75-09-2	>2000 mg/kg		76000 mg/m ³ /4H	Group 2B: Monograph 41, Supplement 7, Monograph 71; 1998
METHANOL 67-56-1	5628 mg/kg	15800 mg/kg	82.3 mg/L/4H; 64000 ppm/4H	
TRIETHANOLAMINE 102-71-6	4190 mg/kg	>2000 mg/kg		Group 3; Monograph 77, 2000

Acute Health Hazard

Skin Irritation:	May cause skin irritation and/or dermatitis.
Eye Irritation:	May cause severe eye irritation with pain, swelling, redness and excessive blinking and tear production.
Inhalation:	May cause irritation of respiratory tract. Exposure to decomposition products may be a hazard to health.
Ingestion:	Irritating to mouth, throat and stomach. May cause vomiting.
Sensitization:	None reasonably foreseeable
Target Organ Effects:	Eyes, Skin, Respiratory System

Chronic Health Hazard

Chronic toxicity:	Risk of cancer cannot be excluded with prolonged exposure.
Aggravated Medical Conditions:	Respiratory disorders, Skin disorders

12. ECOLOGICAL INFORMATION

Component
DICHLOROMETHANE
75-09-2 60-100

Aquatic Toxicity:
EC50 (96 hr) algae; >660 mg/L
LC50 (96 hr) fish; 193 mg/L
EC50 (48 hr) water flea; 140 mg/L

METHANOL
67-56-1 <10

LC50 (96 hr) fish; 28100 mg/L

TRIETHANOLAMINE
102-71-6 <5

EC50 (72 Hr) algae; 216 mg/L
LC50 (96 Hr) fish; 11800 mg/L
EC50 (24 Hr) water flea; 1386 mg/L

13. DISPOSAL CONSIDERATIONS

Waste disposal methods: According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used. Dispose of wastes in an approved waste disposal facility.

Waste Code: D001/F002 - Hazardous waste per 40CFR 261.21 and 261.31 (Methylene Chloride)

13. DISPOSAL CONSIDERATIONS

RoHS/WEEE: This product is in compliance with EU Directive 2002/95/EC Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) and EU Directive 2002/96/EC Restriction on waste electrical and electronic equipment (WEEE).

14. TRANSPORT INFORMATION

United States Department of Transportation (DOT)

Proper shipping name: Consumer Commodity
Hazard Class: ORM-D
UN/ID No: Not applicable

IATA

Proper Shipping Name: Aerosols, flammable, containing substances in Division 6.1, Packing Group III
Hazard Class: Class 2
UN/ID No: UN 1993

IMDG

Proper shipping name: Aerosols, Limited Quantity
Hazard Class: Class 2.1, Subsidiary Risk 6.1
UN/ID No: UN 1993
Marine Pollutant: Copper

ADR/RID

Proper Shipping Name: Aerosols, toxic, flammable
Hazard Class: Class 2.1 Subsidiary Risk 6.1
UN/ID No: UN 1993
ADR/RID: ADR/RID-Labels: 2.1, 6.1

15. REGULATORY INFORMATION

U.S. Federal Regulations

Toxic Substances Control Act (TSCA): All substances are listed, or exempt from the TSCA inventory.
SARA 313 Toxic Chemicals: dichloromethane, methanol

U.S. State Regulations

California Prop. 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm

Canadian Environmental Protection Act

All components of this product are on the Canadian DSL/NDSL list.

EINECS:

All chemical constituents are listed in EINECS

16. OTHER INFORMATION

Product Name:
GASKET REMOVER 4MA 12OZ AE

Item No:
80646

16. OTHER INFORMATION

DG Fire Classification (Japan)

Class 4.2 Class 1, Non water soluble

Hazardous Materials Identification System (HMIS)

Health 2, Flammability 3, Physical Hazard 0

HMIS is a registered trademark of the National Paint and Coatings Association

National Fire Protection Association (NFPA)

Health 2, Flammability 3, Reactivity 0

NFPA is a registered trademark of the National Fire Protection Association

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