



Safety Data Sheet
EBR 5740

SECTION 1: Identification

1.1 GHS Product identifier

Product name EBR 5740

1.2 Other means of identification

Edge Bead Remover 5740

1.3 Recommended use of the chemical and restrictions on use

For laboratory and manufacturing use only.

1.4 Supplier's details

Name High Purity Products
Address 14546 N. Lombard Street
Portland OR 97203
United States of America

Telephone 503-227-1616
email help.desk@highpp.com

1.5 Emergency phone number

CHEMTREC: 1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Flammable liquids, Cat. 3
- Eye damage/irritation, Cat. 2A
- Specific target organ toxicity (single exposure), Cat. 3
- Toxic to reproduction, Cat. 1B

2.2 GHS label elements, including precautionary statements

Pictogram

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Signal word

Danger

Hazard statement(s)

H226 Flammable liquid and vapor
H319 Causes serious eye irritation
H336 May cause drowsiness or dizziness
H360 May damage fertility or the unborn child through inhalation or ingestion

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P202 Do not handle until all safety precautions have been read and understood.
P240 Ground and bond container and receiving equipment.
P233 Keep container tightly closed.
P201 Obtain special instructions before use.
P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P242 Use non-sparking tools.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P308+P313 IF exposed or concerned: Get medical advice/ attention.
P370+P378 In case of fire: Use dry sand, dry chemical, or alcohol resistant foam to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 3: Composition/information on ingredients

3.1 Mixture

Constituents	CAS Number	Concentration (Weight)
Propylene Glycol Monomethyl Ether	107-98-2	65-75%
2-methoxy-1-methylethyl acetate	108-65-6	25-35%

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled Remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, oxygen should be administered by qualified personnel. Seek medical attention.

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In case of skin contact	Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing. Call a physician if irritation develops. Wash clothing before reuse.
In case of eye contact	Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
If swallowed	Call poison control center or get medical help immediately. If patient conscious and alert, give 8 ounces of water or juice and induce vomiting, keeping patient's head below hips to prevent aspiration of liquid into lungs.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water spray jet
Foam
Dry powder
Carbon dioxide (CO₂)

5.2 Specific hazards arising from the chemical

In case of fires, hazardous combustion gases are formed:
Carbon monoxide (CO)

5.3 Special protective actions for fire-fighters

Do not enter fire area without proper protection. Wear positive pressure self- contained breathing apparatus (SCBA). Structural firefighters protective clothing will only provide limited protection.

SECTION 6: Accidental release measures

6.1 Small spill:

Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Absorb liquid on vermiculite, floor absorbent or other absorbent material. Personal not wearing proper personal protective equipment should be excluded from area of spill.

6.2 Environmental precautions:

Water spill: Do not discharge into lakes, streams, ponds or public works. May be toxic to aquatic organisms.

6.3 General procedures:

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.
Eliminate sources of ignition. Absorb spill with inert material. Shovel material into appropriate container for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities.

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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Constituents	CAS Number	NIOSH TWA
Propylene Glycol Monomethyl Ether	107-98-2	100 PPM
2-methoxy-1-methylethyl acetate	108-65-6	50 PPM

8.2 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Personal Protective Equipment

Eyes and Face: Chemical splash goggles and face shield in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. (Consult your industrial hygienist.)

Skin: Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory: If overexposure has been determined or documented, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified conditions. (See your safety equipment supplier.) Engineering or administrative controls should be implemented to reduce exposure.

Work Hygienic Practices: Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

Other Use Precautions: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

SECTION 9: Physical and chemical properties and safety characteristics

Physical state	Liquid
Appearance	Liquid
Color	Colorless
Odor	Slight sweet, ether-like odor
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	248°F - 302°F
Flash point	90° F
Evaporation rate	<1
Lower explosion limit / flammability limit	1.1
Upper explosion limit / flammability limit	12.4
Vapor Pressure	10.5 mmHg (@ 68°F)
Relative vapor density	Heavier than Air
Density and/or relative density	0.94
Solubility	The solvent is partially water soluble.
Auto-ignition temperature	518°F - 530°F
Decomposition temperature	No data available.
Kinematic viscosity	No data available.
Explosive properties	No data available.

Particle characteristics

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Strong oxidizing agents, Strong acids, Moisture, and humidity. May react with oxygen to form peroxides.

10.6 Hazardous decomposition products

Thermal decomposition may yield carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute Toxicity

1-methoxy-2-propanol:

Acute oral toxicity : LD50: 4.016 mg/kg, rat

Acute inhalation toxicity : LC50: 28 mg/l, 6 h, rat,

Acute dermal toxicity : LD50: > 2.000 mg/kg, rabbit

2-methoxy-1-methylethyl acetate:

Acute inhalation toxicity : LC50 (rat) = 15,000 ppm/4h

Skin corrosion/irritation

May cause skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

1-Methoxy-2-propanol:

oral/rabbit

Reproductive: Effects on embryo or fetus: Fetotoxicity (except death, e.g., stunted fetus); Reproductive: Specific developmental abnormalities: Musculoskeletal system

936 mg/kg (7-19D pregnant)

Summary of evaluation of the CMR properties

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No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

1-methoxy-2-propanol:

inhalation/guinea pig

6000 ppm/7H/16W- intermittent

Behavioral: General anesthetic; Nutritional and Gross Metabolic: Weight loss or decreased weight gain

Aspiration hazard

No data available.

SECTION 12: Ecological information

Toxicity

1-methoxy-2-propanol :

Toxicity to fish : LC50: 6.812 mg/l, 96 h, *Leuciscus idus* (Golden orfe)

Toxicity to daphnia and other

aquatic invertebrates: EC50: 23.300 mg/l, 48 h, *Daphnia magna* (Water flea)

Toxicity to algae : EC50: 1.000 mg/l, 168 h, *Pseudokirchneriella subcapitata* (green algae)

Toxicity to bacteria : IC50: 1.000 mg/l, 3 h, Bacteria

Persistence and degradability

No data available.

Bioaccumulative potential

Bioaccumulation is unlikely.

Mobility in soil

1-methoxy-2-propanol :

Distribution among environmental compartments

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Product disposal Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container or residue.

Waste treatment

Waste treatment EPA Waste Code: **D001**

SECTION 14: Transport information

DOT (US)

UN Number: UN1993

Class: 3

Packing Group: II

Proper Shipping Name: Flammable liquids, n.o.s., (1-methoxy-2-propanol, 2-methoxy-1-methylethylacetate)

IMDG

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UN Number: UN1993
Class: 3
Packing Group: II
Proper Shipping Name: Flammable liquids, n.o.s., (1-methoxy-2-propanol, 2-methoxy-1-methylethylacetate)

IATA
UN Number: UN1993
Class: 3
Packing Group: II
Proper Shipping Name: Flammable liquids, n.o.s., (1-methoxy-2-propanol, 2-methoxy-1-methylethylacetate)

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA Section 311/312 Hazard Categories
311/312 Health hazards: This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.
313 reportable ingredients: Glycols are listed.
EPCRA Section 302 Extremely Hazardous Substances
EPCRA Status: No

Canadian Domestic Substances List (DSL)
Chemical name: 2-Propanol, 1-methoxy-, acetate
CAS: 108-65-6

Canadian Domestic Substances List (DSL)
Chemical name: 1-Propanol, 2-methoxy-, acetate
CAS: 70657-70-4

New Jersey Right To Know Components
Common name: PROPYLENE GLYCOL MONOMETHYL ETHER
CAS number: 107-98-2

Pennsylvania Right To Know Components
Chemical name: 2-Propanol, 1-methoxy-
CAS number: 107-98-2

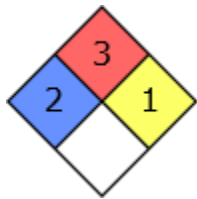
Canadian Domestic Substances List (DSL)
Chemical name: 2-Propanol, 1-methoxy-
CAS: 107-98-2

Canadian Domestic Substances List (DSL)
Chemical name: 1-Propanol, 2-methoxy-
CAS: 1589-47-5

HMIS Rating

EBR 5740	
HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	H

NFPA Rating



SECTION 16: Other information

Disclaimer:

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