

Enviro-Safe Engine Block Sealant

1	PRODUCT AND COMPANY IDENTIFICATION
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Product Identifier: Enviro-Safe Engine Block Sealant
SDS Number: 2120
Revision Date: 10/9/2024
Version: 3.5
Product Description: Repairs most blown engine head gaskets and small cracks.
Supplier Details: Enviro-Safe Refrigerants, Inc.
 400 Hanna Drive
 Pekin, IL 61554
Phone: 309-346-1110
Fax: 309-346-1237
Email: info@es-refrigerants.com
Internet: www.es-refrigerants.com
Emergency: CHEMTREC 1-800-424-9300

2	HAZARDS IDENTIFICATION
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Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
 No GHS Classifications Indicated

GHS Label Elements, Including Precautionary Statements

GHS Signal Word:

GHS Hazard Pictograms:

No GHS pictograms indicated for this product

GHS Hazard Statements:

No GHS hazards statements indicated

GHS Precautionary Statements:

No GHS precautionary statements indicated

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Inhalation; Skin; Eyes; Ingestion

Inhalation: Breathing of vapor or mist is possible.

Skin Contact: May cause mild skin irritation. Symptoms may include redness and burning of skin.

Eye Contact: May cause irritation. Symptoms include stinging, tearing, redness, and welling of eyes.

Ingestion: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

3	COMPOSITION/INFORMATION ON INGREDIENTS
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Chemical Ingredients

CAS#	%	Chemical Name
7732-18-5		Water
1344-09-8		Silicic acid, sodium salt

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4 FIRST AID MEASURES

Inhalation:	If symptoms develop, immediately move individual away from exposure and into fresh air. Seek medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.
Skin Contact:	Remove contaminated clothing and wash before reuse. Promptly flush skin with water until all chemical is removed. Get medical attention if needed.
Eye Contact:	Immediately flush eyes for 15 minutes in clear running water while holding eyelids open. Get immediate medical attention.
Ingestion:	Seek immediate medical attention. If individual is drowsy or unconscious, do not give anything by mouth, place individual on the left side with the head down. Contact a physician, medical facility, or POISON CONTROL CENTER for advice about whether to induce vomiting. If possible, do not leave individual unattended.

5 FIRE FIGHTING MEASURES

6 ACCIDENTAL RELEASE MEASURES

Small Spill: Absorb liquid on vermiculite, floor absorbent or other absorbent material.
Large Spill: Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers. Spills of this material are very slippery.

7 HANDLING AND STORAGE

Handling Precautions: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment: Water cas#:(7732-18-5)

Personal protective equipment

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M)

Splash contact: Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested: Dermatril (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Respiratory protection: No special protective equipment required.

Control of environmental exposure: Prevent product from entering drains.

No data available.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Cloudy	Odor:	No data available
Physical State:	Liquid	Solubility:	No data available
Odor Threshold:	No data available	Percent Volatile:	60-65
Specific Gravity or Density:	1.39 @ 20 °C (68 °F)	Freezing or Melting Point:	No data available
Viscosity:	No data available	Flash Point:	No data available
Boiling Point:	100 °C (212 °F) @ 760 mmHg		

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Partition Coefficient: No data available Vapor Pressure: 24mmHg @ 25 °C (77 °F) Potentia Hydrogenii: 11.3 Evaporation Rate: 37.5 Decompression Temperature: No data available	Vapor Density: No data available Autoignition Temperature: No data available UFL / LFL: No data available
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10	STABILITY AND REACTIVITY
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Chemical Stability:	Stable.
Materials to Avoid:	Strong acids. Alcohols.
Hazardous Polymerization:	Hazardous polymerization will not occur.

11	TOXICOLOGICAL INFORMATION
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Water cas#:(7732-18-5)

Information on toxicological effects

- Acute toxicity: no data available
- Inhalation: no data available
- Dermal: no data available
- Skin corrosion/irritation: no data available
- Serious eye damage/eye irritation: no data available
- Respiratory or skin sensitisation: no data available
- Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information: RTECS: ZC0110000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12	ECOLOGICAL INFORMATION
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Water cas#:(7732-18-5)

Information on ecological effects

- Toxicity: no data available
- Persistence and degradability: not applicable
- Bioaccumulative potential: no data available
- Mobility in soil: no data available
- Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
- Other adverse effects: no data available

13	DISPOSAL CONSIDERATIONS
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Water cas#:(7732-18-5)

Waste treatment methods

Product: Taking into account local regulations the product may be disposed of as waste water after neutralisation.

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14 TRANSPORT INFORMATION

Non-hazardous for air, sea, and road freight.

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[--%] Water (7732-18-5) TSCA, TSCAACTV

[--%] Silicic acid, sodium salt (1344-09-8) TSCA, TSCAACTV

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

TSCA = Toxic Substances Control Act
TSCAACTV = TSCA Active Chemicals

16 OTHER INFORMATION

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