

Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

EGX Antifreeze/Coolant - Premixed 50/50

Product Number(s): 804596

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses: Heavy Duty Coolant

1.3 Details of the supplier of the safety data sheet

Uno-X Smørelie A/S

Buddingevej 195

DK-2860 Søborg

Kundecenter: +45 70 11 56 78

Denmark

Web: lube.unox.dk

email : sales@unox.dk

1.4 Emergency telephone number

Transportation Emergency Response

CHEMTREC: +1 703 527 3887

Health Emergency

Danish Environmental Protection Agency: +45 72 54 40 00 Chevron Emergency Information Center:

International calls accepted 24 hours: +1 510 231 0623

Poison Control Centre Denmark: 0045/ 82 12 12 12

Product Information

Technical Information: 0045/70 11 56 78

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP CLASSIFICATION:

- Target organ toxicant (repeated exposure): Category 2, H373; May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Under the criteria of Regulation (EC) No 1272/2008 (CLP):



Signal Word: Warning

HAZARD STATEMENTS:

Health Hazards:

- May cause damage to organs (Kidney) through prolonged or repeated exposure (H373).

- contains: Ethylene glycol

PRECAUTIONARY STATEMENTS:

Prevention:

- Do not breathe dust/fume/gas/mist/vapours/spray (P260).

Response:

- Get medical advice/attention if you feel unwell (P314).

Disposal:

- Dispose of contents/container in accordance with applicable local/regional/national/international regulations (P501).

2.3 Other hazards

This product is not, or does not contain, a substance that is a potential PBT or a vPvB. This product is not, or does not contain, a substance that potentially has endocrine disrupting properties.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures

This material is a mixture.

COMPONENTS	CAS NUMBER	EC NUMBER	REGISTRATION NUMBER	CLP CLASSIFICATION	AMOUNT
Ethylene glycol	107-21-1	203-473-3	01-2119456816-28	Acute Tox. 4/H302; STOT RE 2/H373	34 - < 80 %weight
Sodium benzoate	532-32-1	208-534-8	01-2119460683-35	Eye Irrit. 2/H319	0.1 - < 3 %weight
Tolyltriazole	29385-43-1	249-596-6	01-2119979081-35	Aquatic Chronic 2/H411; Acute Tox. 4/H302; Repr. 2/H361d	0.1 - < 1 %weight

The full text of all CLP H-statements is shown in Section 16.

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

4.2 Most important symptoms and effects, both acute and delayed IMMEDIATE SYMPTOMS AND HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to be harmful.

Ingestion: May be harmful if swallowed.

Inhalation: Breathing this material at concentrations above the recommended exposure limits may cause central nervous system effects. Central nervous system effects may include headache, dizziness, nausea, vomiting, weakness, loss of coordination, blurred vision, drowsiness, confusion, or disorientation. At extreme exposures, central nervous system effects may include respiratory depression, tremors or convulsions, loss of consciousness, coma or death.

DELAYED OR OTHER SYMPTOMS AND HEALTH EFFECTS: Contains material that may cause damage to the following organ(s) following repeated inhalation at concentrations above the recommended exposure limit: Kidney

See Section 11 for additional information. Risk depends on duration and level of exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Not applicable.

SECTION 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Dry Chemical, CO₂, Aqueous Film Forming Foam (AFFF) or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Sodium .

5.3 Advice for firefighters

This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition in vicinity of spilled material. Refer to Sections 5 and 8 for more information.

6.2 Environmental precautions

Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater.

6.3 Methods and material for containment and cleaning up

Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil and dispose of in a manner consistent with applicable requirements. Place other contaminated materials in disposable containers and dispose of in a manner consistent with applicable requirements. Report spills to local authorities as appropriate or required.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Precautionary Measures: Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe vapor or fumes. Wash thoroughly after handling.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

7.2 Conditions for safe storage, including any incompatibilities

Not Applicable

7.3 Specific end use(s): Heavy Duty Coolant

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment (PPE). If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, refer to PPE information below.

Factors that affect PPE include, but are not limited to: properties of the chemical, other chemicals which may contact the same PPE, physical requirements (fit & sizing, cut/puncture protection, dexterity, thermal protection, etc.), and potential allergic reactions to the PPE material. It is the responsibility of the user to read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances. Refer to appropriate CEN standards.

8.1 Control parameters

Occupational Exposure Limits:

Component	Country/ Agency	Form	TWA	STEL	Ceiling	Notation
Ethylene glycol	Denmark	--	26 mg/m3	--	--	Skin
Ethylene glycol	Denmark	Aerosol	10 mg/m3	--	--	--
Ethylene glycol	EU-Indicative	--	52 mg/m3	104 mg/m3	--	Skin

Consult local authorities for appropriate values.

8.2 Exposure controls

ENGINEERING CONTROLS:

Use general ventilation, local exhaust ventilation, or a combination of both.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Wear protective equipment to prevent eye contact. Selection of protective equipment may include safety glasses, chemical goggles, face shields, or a combination depending on the work operations conducted.

Skin Protection: Wear chemical personal protective equipment (PPE) to prevent skin contact. Selection of chemical protective clothing should be performed by an Occupational Hygienist or Safety Professional and be based upon applicable standards (ASTM F739 or EN 374). Using chemical PPE depends upon operations conducted and may include chemical gloves, boots, chemical apron, chemical suit, and complete facial protection. Refer to PPE manufacturers to obtain breakthrough time information to determine how long PPE can be used before it needs to be replaced. Unless specific glove manufacturer data indicates otherwise, the below table is based upon available industry data to assist in the glove selection process and is intended to be used as reference only.

Chemical Glove Material	Thickness (mm)	Typical Breakthrough Time (minutes)
Butyl	0.7	120
Neoprene	0.61	120
Nitrile	0.8	120
Polyvinyl Chloride (PVC)	1.5	120
Viton Butyl	0.3	120

Respiratory Protection: Determine if airborne concentrations are below the recommended occupational exposure limits for jurisdiction of use. If airborne concentrations are above the acceptable limits, wear an approved respirator that provides adequate protection from this material, such as: Air-Purifying Respirator for Organic Vapors, Dusts and Mists. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

ENVIRONMENTAL EXPOSURE CONTROLS:

See relevant Community environmental protection legislation or the Annex, as applicable.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

9.1 Information on basic physical and chemical properties

Appearance

Color: Orange

Physical State: Liquid

Odor: Faint or Mild

Odor Threshold: No data available

pH: 7.9 - 9.0

Melting Point: No data available

Freezing Point: -36°C (-32.8°F) (Max)

Initial Boiling Point: No data available

Flashpoint: Not Applicable

Evaporation Rate: No data available

Flammability (solid, gas): Not Applicable

Flammability (Explosive) Limits (% by volume in air):

Lower: No data available Upper: No data available

Vapor Pressure: No data available

Relative Vapor Density: No data available

Density: 1.073 kg/l @ 20°C (68°F) (Typical)

Solubility: No data available

Partition coefficient n-octanol/water (logarithmic value): No data available

Auto-ignition temperature: 398 °C (748 °F)

Decomposition temperature: No data available

Kinematic Viscosity: No data available

Explosive Properties: No Data Available

Oxidising properties: No Data Available

9.2 Other Information: No Data Available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

10.2 Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions: Hazardous polymerization will not occur.

10.4 Conditions to Avoid: Not applicable

10.5 Incompatible materials to avoid: Not applicable

10.6 Hazardous decomposition products: Aldehydes (Elevated temperatures), Ketones (Elevated temperatures)

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Product Information:

Serious Eye Damage/Irritation: The material is not considered an eye irritant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Skin Corrosion/Irritation: The material is not considered a skin irritant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Skin Sensitization: The material is not considered a skin sensitizer. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Dermal Toxicity: The material is not considered a dermal toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Toxicity Estimate (dermal): Not Applicable

Acute Oral Toxicity: The material is not considered an oral toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Toxicity Estimate (oral): 3200 mg/kg

Acute Inhalation Toxicity: The material is not considered an inhalation toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Toxicity Estimate (inhalation): Not Applicable

Germ Cell Mutagenicity: The material is not considered a mutagen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Carcinogenicity: The material is not considered a carcinogen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Reproductive Toxicity: The material is not considered a reproductive toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Specific Target Organ Toxicity - Single Exposure: The material is not considered a target organ toxicant (single exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Specific Target Organ Toxicity - Repeated Exposure: This material may cause damage to organs through prolonged or repeated exposure. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Aspiration Hazard: The material is not considered an aspiration hazard.

Component Information:

Serious Eye Damage/Irritation:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Protocol: OECD 405 - Eye Irritation/Corrosion Test Result: Causes eye irritation
Tolyltriazole	Based on available data, the classification criteria are not met

Skin Corrosion/Irritation:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Based on available data, the classification criteria are not met

Skin Sensitization:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Based on available data, the classification criteria are not met

Acute Dermal Toxicity:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Based on available data, the classification criteria are not met

Acute Oral Toxicity:	
Ethylene glycol	Test Qualifier: LD50 Test Result: 1600 mg/kg Species: cat
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Test Qualifier: LD50 Test Result: 720 mg/kg Species: rat

Acute Inhalation Toxicity:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Based on available data, the classification criteria are not met

Germ Cell Mutagenicity:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Based on available data, the classification criteria are not met

Carcinogenicity:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Based on available data, the classification criteria are not met

Reproductive Toxicity:	

Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Test Result: Suspected of damaging fertility or the unborn child

Specific Target Organ Toxicity - Single Exposure:

Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Based on available data, the classification criteria are not met

Specific Target Organ Toxicity - Repeated Exposure:

Ethylene glycol	Test Result: May cause damage to organs through prolonged and repeated exposure if ingested based on human data
Ethylene glycol	Test Result: May cause damage to organs through prolonged and repeated exposure if inhalation based on human data
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Based on available data, the classification criteria are not met

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains ethylene glycol (EG). The toxicity of EG via inhalation or skin contact is expected to be slight at room temperature. The estimated oral lethal dose is about 100 cc (3.3 oz.) for an adult human. Ethylene glycol is oxidized to oxalic acid which results in the deposition of calcium oxalate crystals mainly in the brain and kidneys. Early signs and symptoms of EG poisoning may resemble those of alcohol intoxication. Later, the victim may experience nausea, vomiting, weakness, abdominal and muscle pain, difficulty in breathing and decreased urine output. When EG was heated above the boiling point of water, vapors formed which reportedly caused unconsciousness, increased lymphocyte count, and a rapid, jerky movement of the eyes in persons chronically exposed. When EG was administered orally to pregnant rats and mice, there was an increase in fetal deaths and birth defects. Some of these effects occurred at doses that had no toxic effects on the mothers. We are not aware of any reports that EG causes reproductive toxicity in human beings.

11.2 Information on other hazards

No other hazards identified.

SECTION 12 ECOLOGICAL INFORMATION

Product Information:

12.1 Toxicity

This material is not expected to be harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

12.2 Persistence and degradability

This material is expected to be readily biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

12.3 Bioaccumulative potential

Bioconcentration Factor: No Data Available

Partition coefficient n-octanol/water (logarithmic value): No data available

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This product is not, or does not contain, a substance that is a potential PBT or a vPvB.

12.6 Endocrine Disrupting Properties

This mixture does not contain any substances that are assessed as having endocrine disrupting properties.

12.7 Other adverse effects

No other adverse effects identified.

Component Information:

Acute Toxicity:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Confidential test data

Long-term Toxicity:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Confidential test data

Biodegradation:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	Test Result: Not readily biodegradable Biodegradation: 4%

Bioaccumulative Potential:	
Ethylene glycol	Based on available data, the classification criteria are not met
Sodium benzoate	Based on available data, the classification criteria are not met
Tolyltriazole	No test data available

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by international, country, or local laws and regulations. In accordance with European Waste Catalogue (E.W.C.) the codification is the following:16 01 14

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

ADR/RID

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

14.1 UN Number or ID Number: Not applicable

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.4 Packing group: Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: Not applicable

ICAO / IATA

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

- 14.1 UN Number or ID Number: Not applicable
- 14.2 UN proper shipping name: Not applicable
- 14.3 Transport hazard class(es): Not applicable
- 14.4 Packing group: Not applicable
- 14.5 Environmental hazards: Not applicable
- 14.6 Special precautions for user: Not applicable

IMO / IMDG

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

- 14.1 UN Number or ID Number: Not applicable
- 14.2 UN proper shipping name: Not applicable
- 14.3 Transport hazard class(es): Not applicable
- 14.4 Packing group: Not applicable
- 14.5 Environmental hazards: Not applicable
- 14.6 Special precautions for user: Not applicable
- 14.7 Maritime Transport in Bulk according to IMO Instruments: Not applicable

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture REGULATORY LISTS SEARCHED:

- 01=EU Directive 76/769/EEC: Restrictions on the marketing and use of certain dangerous substances.
- 02=EU Directive 90/394/EEC: Carcinogens at work.
- 03=EU Directive 92/85/EEC: Pregnant or breastfeeding workers.
- 04=EU Directive 2012/18/EU: Seveso III.
- 05=EU Directive 98/24/EC: Chemical agents at work.
- 06=EU Directive 2004/37/EC: On the protection of workers.
- 07=EU Regulation EC No. 689/2008: Annex 1, Part 1.
- 08=EU Regulation EC No. 689/2008: Annex 1, Part 2.
- 09=EU Regulation EC No. 689/2008: Annex 1, Part 3.
- 10=EU Regulation EC No. 850/2004: Prohibiting and restricting persistent organic pollutants (POPs).
- 11=EU REACH, Annex XVII: Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixture & article.
- 12=EU REACH, Annex XIV: Authorization List or Candidate List of Substances of Very High Concern for Authorization (SVHC).

The following components of this material are found on the regulatory lists indicated.
Ethylene glycol 05

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AIIIC (Australia), DSL (Canada), EINECS (European Union), ENCS (Japan), IECSC (China), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States).

15.2 Chemical safety assessment

No chemical safety assessment.

SECTION 16 OTHER INFORMATION

REVISION STATEMENT: SECTION 01 - Company SDS Address information was modified.
SECTION 01 - Web Address information was modified.
SECTION 05 - Fire Fighters Protection Measures information was modified.
SECTION 08 - Occupational Exposure Limit Table information was modified.
SECTION 09 - Physical/Chemical Properties information was modified.
SECTION 15 - Regulatory Information information was modified.

Revision Date: September 05, 2023

Full text of CLP H-statements:

Aquatic Chronic 2/H411; Toxic to aquatic life with long lasting effects
Eye Irrit. 2/H319; Causes serious eye irritation
Acute Tox. 4/H302; Harmful if swallowed
Repr. 2/H361d; Suspected of damaging the unborn child
STOT RE 2/H373; May cause damage to organs through prolonged or repeated exposure

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
CVX - Chevron	CAS - Chemical Abstract Service Number
NQ - Not Quantifiable	

Prepared according to the EU Regulation 1907/2006 (as amended) by Chevron Technical Center, 6001 Bollinger Canyon Road, San Ramon, CA 94583.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

No Annex