

SAFETY DATA SHEET

Section 1. Identification

GHS product identifier: Rustame II

Other means of identification: PC-5687

Relevant identified uses of the substance: Metal Treatment (to stop, convert, inhibit, and prevent rust)

Supplier's details: ATCO International
1401 Barclay Circle, S.E.
Marietta, GA 30060

Emergency telephone number: 1-800-255-3924 (ChemTel / VelocityEHS)

Hours of operation: 24 hours/day, 7 days/week

Section 2. Hazards identification

GHS-US Classification of the substance or mixture: Not classified.

GHS labeling elements: No labeling applicable.

Hazards not otherwise classified: None known.

GHS-US Unknown acute toxicity: Not applicable.

Section 3. Composition/information on ingredients

Substance/mixture: Mixture.

Other means of identification: Not available.

CAS number/other identifiers

CAS number: Not applicable.

Product code: 5687

Ingredient name	%	CAS number	Pure Substance Classification
Glycol Ether	1 - 5	111-76-2	FLAM. LIQ. 4 H227 ACUTE TOX. 4 (oral) H302 SKIN IRRIT. 2, H315 EYE IRRIT. 2A, H319 ASP. TOX. 1, H304

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Occupational exposure limits, if available, are listed in Section 8.

Full Text of H-phrases: See Section 16.

Section 4. First aid measures

Description of necessary first aid measures:

General:	If you feel unwell, seek medical advice (show the label where possible).
Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin contact:	Wash contaminated skin with plenty of water and soap.
Ingestion:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel.

Most important symptoms/effects, acute and delayed:

Potential acute health effects: Not expected to present a significant hazard under anticipated conditions of normal use.

Eye contact: Direct contact with eyes is likely to be irritating.

Inhalation: None under normal use.

Skin contact: Repeated exposure may cause skin dryness or cracking.

Ingestion: Abdominal pain.

Indication of immediate medical attention and special treatment needed, if necessary:

Treat symptomatically.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media:	Use any extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	No specific fire or explosion hazard.

Hazardous thermal decomposition products:	Decomposition products may include the following materials: carbon dioxide carbon monoxide
Special protective actions for fire-fighters:	Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.
Special protective equipment for fire-fighters:	Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures:

For non-emergency personnel: Isolate from fire, if possible, without unnecessary risk. Put on appropriate personal protective equipment: protective goggles, gloves, and protective clothing. Evacuate unnecessary personnel. Avoid contact with skin, eyes, and clothing. Ventilate spillage area.

For emergency responders: Equip cleanup crew with proper protection. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". Stop leak if safe to do so. Stop release. Ventilate area.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, sewers, public waterways, or the environment.

Methods and materials for containment and cleaning up

Small spill Contain released product, pump into suitable containers. This material must be disposed of in a safe way, and as per local legislation.

Large spill Contain released product, pump into suitable containers. This material must be disposed of in a safe way, and as per local legislation. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures:

Do not handle until all safety precautions have been read and understood. Put on appropriate personal protective equipment as required (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene:

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Wash contaminated clothing before reuse. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities:

Store in accordance with local Regulations. Keep container closed and store in original container in a cool and well-ventilated area, away from incompatible materials (see Section 10)

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits
United States

Ingredient name	Exposure limits
Glycol Ether EB (111-76-2)	ACGIH TWA (ppm) – 20 ppm (Remark: Eye & URT irr) OSHA PEL (TWA) (mg/ m ³) – 240 mg/ m ³ OSHA PEL (TWA) (ppm) – 50 ppm

Individual protection measures:

Use appropriate personal protective equipment (gloves, safety glasses, or protective clothing) when risk assessment indicates protection is necessary.

Warning: This product may cause damage to organs (liver) through prolonged or repeated exposure. Keep out of the reach of children.

Section 9. Physical and chemical properties

Appearance	Opaque emulsion.
Physical state:	Liquid.
Color:	Beige.
Odor:	Bland odor.
Odor threshold:	No data available.
pH:	1 - 3.
Melting point:	No data available.
Freezing point:	No data available.
Boiling point:	No data available.
Flash point:	>200°F (>93.3°C)
Relative evaporation rate (butyl acetate = 1):	No data available.
Flammability (solid, gas)	No data available.
Lower and upper explosive: (flammable) limits:	No data available.
Vapor pressure:	No data available.
Relative vapor density @ 20°C:	No data available.
Relative density:	No data available.
Solubility:	Soluble in water.
Log Pow	No data available.
Log Know	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Viscosity, kinematic	No data available.
Viscosity, dynamic	No data available.
VOC Content	<3%.

Section 10. Stability and reactivity

Reactivity	No additional information available.
Chemical stability:	No additional information available.
Possibility of hazardous reactions:	Refer to entry below regarding products of combustion.
Conditions to avoid:	No additional information available.
Incompatible materials:	No additional information available.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Upon combustion: CO and CO ₂ are formed.

Section 11. Toxicological information

Information on toxicological effects:

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Glycol Ether EB (CAS # 111-76-2)	LD50 (oral)	Rat	1300 mg/kg	
Glycol Ether EB (CAS # 111-76-2)	LD50 (dermal)	Rat	>2000 mg/kg	
Glycol Ether EB (CAS # 111-76-2)	ATE CLP (oral)		1300 mg/kg body weight	
Glycol Ether EB (CAS # 111-76-2)	ATE CLP (dermal)		1100 mg/kg body weight	
Glycol Ether EB (CAS # 111-76-2)	ATE CLP (dust, mist)		1.5 mg/l	4 hours

Skin Corrosion/Irritation:	Not classified. (pH = 1 - 3)
Serious Eye Damage/Irritation:	Not classified. (pH = 1 - 3)
Respiratory or Skin Sensitization:	Not classified.
Germ Cell Mutagenicity:	Not classified.
Carcinogenicity:	Not classified.

Glycol Ether EB (CAS # 111-76-2)	
IARC Group	3 – Not classifiable

Reproductive toxicity:	Not classified.
Specific target organ toxicity (single exposure):	Not classified.
Specific target organ toxicity (repeated exposure):	Not classified.

Glycol Ether EB (CAS # 111-76-2)	
NOAEL (oral, rat, 90 days)	See comments above
NOAEL (dermal, rat/rabbit, 90 days)	See comments above

Aspiration hazard:	Not classified.
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Symptoms related to the physical, chemical, and toxicological characteristics

Eye contact	Direct contact with the eyes is likely to be irritating.
Inhalation:	None under normal use.
Skin contact:	Repeated exposure may cause skin dryness or cracking.
Ingestion:	abdominal pain.

Likely routes of exposure:	Dermal.
Acute toxicity estimates:	Not classified.

This product may cause damage to organs (liver) through prolonged or repeated exposure.

Section 12. Ecological information

Toxicity:

Glycol Ether EB (CAS # 111-76-2)	
LC50 fish 1	1474 mg/l Oncorhynchus mykiss
EC50 Daphnia 1	100mg/l Water flea
ErC50 (algae)	1840 mg/l Pseudokirchneriella subcapitata
NOEC chronic fish	>100 mg/l
NOEC chronic crustacea	100 mg/l daphnid

Persistence and degradability: There is no additional information available.

Bioaccumulative potential: There is no additional information available.

Section 13. Disposal considerations

Disposal methods: Dispose of contents/container to comply with local/regional/national/international regulations. The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way.

Section 14. Transport information

Department of Transportation: In accordance with DOT, not regulated for transport.

Additional Information:

Other Information: No supplementary information available.

ADR: No additional information available.

Transport by Sea: No additional information available.

Air Transport: No additional information available.

Section 15. Regulatory information

U.S. Federal regulations: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372:

Component Name	CAS #	% Wt.
Glycol Ether EB	111-76-2	1-5

State regulations:

California Prop. 65: This product can expose you to isobutyl methyl ketone, which is known to the State of California to cause cancer, and ethylene glycol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



NFPA: Health =1, Flammability = 0, Reactivity = 0, Special = None

NFPA Health Hazard (blue): 1 - Materials that under emergency conditions, can cause significant irritation.

NFPA Fire Hazard (red): 0 - Materials that will not burn under typical fire conditions, including intrinsically non-combustible materials such as concrete, stone, and sand.

NFPA Reactivity Hazard (yellow): 0 - Materials that in themselves are normally stable, even under fire conditions.

Section 16. Other information

History

Date of Review mm/dd/yyyy: 12/12/2023
Version: 1.1
Revised Section(s): 8 & 11.
Prepared by: Technical Services

Key to abbreviations:

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

Disclaimer: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No Warranty is expressed or implied regarding the accuracy of this data, or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users, or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material. To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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