


Safety Data Sheet

According to 1907/2006/EG Regulation, Article 31

Substance: EZ-125

Stand: 30.04.2017 / Rev.-Nr. 00

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1 Product Identifier	Trade name: 4503635/EZ-125
1.2 Relevant identified uses of the substance or mixture and uses advised against	Product Use: Pipe joint sealant, Gasket seal, Threadlocker Uses advised against: No further relevant information available.
1.3 Details of the Supplier of the safety data sheet	REFCO Manufacturing Ltd. Industriestrasse 11 6285 Hitzkirch Switzerland Tel. +41 41 919 72 82 Fax +41 41 919 72 83 E-Mail: info@refco.ch
Original Safety Data Sheet:	Highside Chemicals, Inc. 11114 Reichold Road Gulfport, MS 39503 USA Phone: (228) 896-9220
1.4 Emergency Telephone Number	Swiss Toxicological Information Centre, CH 8028 Zürich Notruf 145 oder +41 44 251 51 51 Nicht dringende Anrufe: +41 44 251 66 66
2. HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture	Classification according to Directive 67/548/EEC or Directive 1999/45/EC F; Highly flammable Classification according to Regulation (EC) No 1272/2008 Flam. Liq. 2; H225 - Highly flammable liquid and vapour.
Hazard Overview	
Information concerning particular hazards for human and environment	The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Classification system	The classification is according to the latest editions of the EU-lists, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.
2.2 Label Elements	Labelling according to Directive 1272/2008/EC
EC Symbols:	
Signal word:	Danger
Hazard statements:	H225 Highly flammable liquid and vapour.
Precautionary statements:	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.



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P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P240 Ground/bond container and receiving equipment.
P233 Keep container tightly closed.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P303+P361+P353 If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
P405 Store locked up.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

Supplemental label information: None.

2.3 Other Hazards

Not a PBT or vPvB substance or mixture.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Chemical name	%	CAS-No. / CE-No.	REACH	Index-No.	Classification	Notes
ethanol	25 – 50	64-17-5 200-578-6	-	603-002-00-5	Flam. Liq. 2; H225	
titanium dioxide	<10	13463-67-7 236-675-5	-		Carc. 2; H351 Acute Tox. 4; H 332	
Propylene glycol	≤ 2,5	57-55-6 200-338-0				substance with a community workplace exposure limit

4. FIRST AID MEASURES

General Information

No special measures required.

4.1 Description of First Aid Measures

Inhalation

Supply fresh air. Consult doctor in case of complaints.

Skin Contact

Clean with water and soap. If skin irritation continues, consult a doctor.

Eye Contact

Rinse opened eye for several minutes under running water. Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion

Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.



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<p>4.2 Most important symptoms and effects, both acute and delayed Dizziness. Gastric or intestinal disorders.</p> <p>4.3 Indication of any immediate medical attention and special treatment needed If swallowed, gastric irrigation with added, activated carbon. Monitor circulation, possible shock treatment. Medical supervision for at least 48 hours.</p>
<p>5. FIRE FIGHTING MEASURES</p> <p>5.1 Extinguishing Media Suitable extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Unsuitable Extinguishing Media: None.</p> <p>5.2 Special hazards arising from the substance or mixture In case of fire, the following can be released: Carbon monoxide (CO). Under certain fire conditions, traces of other toxic gases cannot be excluded.</p> <p>5.3 Advice for firefighters</p> <p>Special protective equipment for firefighters Wear self-contained respiratory protective device. Wear fully protective suit.</p>
<p>6. ACCIDENTAL RELEASE MEASURES</p> <p>6.1 Personal Precautions, Protective Equipment and Emergency Procedures</p> <p>For emergency responders Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Keep away from ignition sources. Protect from heat.</p> <p>6.2 Environmental Precautions Dilute with plenty of water.</p> <p>6.3 Methods and Material for Containment and Cleaning Up Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.</p> <p>6.4 Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.</p>
<p>7. HANDLING AND STORAGE</p> <p>7.1 Precautions for Safe Handling Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.</p> <p>Information about fire - and explosion protection Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Flammable gas-air mixtures may form in empty receptacles.</p> <p>7.2 Conditions for safe storage, including any incompatibilities Store at temperatures not exceeding 49°C/120°F. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Protect cylinders from damage. Stored containers should be periodically checked for general condition and leakage. Store in original tightly closed container. Keep container tightly closed. Store in a well-ventilated place. Use care in handling/storage. Store away from incompatible materials (see section 10 of the SDS).</p>

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7.3. Specific end use(s)

No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Occupational Exposure Limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
64-17-5 ethanol	AGW (Germany) PEL (USA) TLV (USA)	960 mg/ m3, 500ml/m3 1900 mg/m3, 1000ml/m3 Kurzzzeitwert: 1880 mg/m3, 1 l/m3
Additives		
57-55-6 Propylene Glycol	Ceiling	25 mg/m3 10 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

8.2 Exposure Controls

Individual protection measures, such as personal protective

General information

Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Do not inhale dust / smoke / mist.

Eye/face protection



Safety glasses with side shields or face shield strongly suggested.

Skin protection

- Hand protection



Sensibilization by the components in the glove materials is possible. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. For the permanent contact gloves made of the following materials are suitable: Butyl rubber (BR), Nitrile rubber (NBR), neoprene gloves.

- Other

Wear protective work clothing.

Respiratory protection



Use suitable respiratory protective device in case of insufficient ventilation. Use suitable respiratory protective device when aerosol or mist is formed.

Environmental exposure controls

No special requirements.



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9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1 Information on basic physical and chemical properties	
Form	Compressed liquefied gas.
Color	Colorless.
Odour	Alcohol-like.
Odour threshold	Not determined.
pH value	Not determined.
Melting point / freezing point	Undetermined.
Initial Boiling Point and Boiling range	172 °F / 78 °C
Flash point	61 °F / 16 °C
Evaporation rate	Not determined.
Flammability (solid, gas)	Not applicable.
Explosion limit - lower	3.5 Vol %
Explosion limit - upper	15.0 Vol %
Vapor pressure	59 hPa @ 20°C
Vapor density	Not determined.
Density	1,3 g/cm ³
Solubility (water)	Fully miscible.
Partition coefficient (n-octanol/water)	Not determined.
Auto-ignition temperature	797 °F / 425 °C
Decomposition temperature	Not determined.
Viscosity	Not determined.
Explosive properties	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Oxidising properties	Not oxidising
9.2 Other Information No further relevant information available.	
10. STABILITY AND REACTIVITY	
10.1 Reactivity -	
10.2 Chemical stability No decomposition if used and stored according to specifications.	
10.3 Possibility of Hazardous Reactions Flammable. Reacts with oxidizing agents. Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised. Used empty containers may contain product gases which form explosive mixtures with air. Reacts with peroxides and other radical forming substances.	
10.4 Conditions to Avoid Keep ignition sources away - Do not smoke. Store away from oxidizing agents.	
10.5 Incompatible Materials No further relevant information available.	
10.6 Hazardous Decomposition Products Toxic metal oxide smoke. Hydrocarbons. Carbon monoxide and carbon dioxide.	

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11. TOXICOLOGICAL INFORMATION		
11.1 Information on toxicological Effects		
Toxicological data		
Components	Species	Test Results
13463-67-7 titanium dioxide		
<i>Oral</i> LD50	Rat	>20000 mg/kg
<i>Inhalative</i> LC50/4 h	Rat	>6,82 mg/l
<i>Dermal</i> LD50	Rabbit	>10000 mg/kg
57-55-6 Propylene Glycol		
<i>Oral</i> LD50	Rat	20000 mg/kg
<i>Dermal</i> LD50	Rabbit	20800 mg/kg
64-17-5 ethanol		
<i>Oral</i> LD50	Rat	7060 mg/kg
<i>Inhalative</i> LC50/4 h	Rat	20000 mg/l
Skin corrosion/irritation	Slight irritant effect on skin and mucous membranes.	
Primary irritant effect on the eye	Irritating effect.	
Respiratory sensitization	Based on available data, the classification criteria are not met.	
Skin sensitization	Based on available data, the classification criteria are not met.	
Repeated dose toxicity	Repeated exposures may result in skin and/or respiratory sensitivity.	
Other information	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.	
12. ECOLOGICAL INFORMATION		
12.1 Toxicity The product contains materials that are harmful to the environment.		
12.2 Persistence and degradability The product is partly biodegradable. Significant residuals remain.		
12.3 Bioaccumulative potential May be accumulated in organism.		



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12.4 Mobility in soil

Not relevant, due to the form of the product.

General notes

This statement was deduced from the properties of the single components. Avoid transfer into the environment. Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded. Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Result of PBT and vPvB assessment

Not a PBT or vPvB substance or mixture.

12.6 Other adverse effects

No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation

Darf nicht zusammen mit Hausmüll entsorgt werden. Nicht in die Kanalisation gelangen lassen. Kann unter Beachtung der notwendigen technischen Vorschriften nach Rücksprache mit dem Entsorger und der zuständigen Behörde mit Hausmüll zusammen verbrannt werden. Kann unter Beachtung der notwendigen technischen Vorschriften nach Rücksprache mit dem Entsorger und der zuständigen Behörde nach chemisch-physikalischer oder biologischer Vorbehandlung zusammen mit Hausmüll abgelagert werden.

Contaminated packaging

Disposal must be made according to official regulations. Recommended cleansing agents: Water, if necessary together with cleansing agents.

14. TRANSPORT INFORMATION

ADR / RID / IMDG / IATA / ADN

14.1. UN number	UN1133
14.2. UN proper shipping Name	Adhesives
14.3. Transport hazard class(es)	
Class	3
Label(s)	3
Tunnel restriction code	B/D
14.4. Packing group	2
14.5. Environmental hazards	No.
ERG Code (IATA)	10L
EmS (IMDG)	F-E, S-D
14.6. Special precautions for user	Warning: Flammable liquids.
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.

15. REGULATORY INFORMATION

15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.



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16. OTHER INFORMATION

List of abbreviations

PBT: Persistent, bioaccumulative and toxic.
vPvB: Very Persistent and very Bioaccumulative.
DNEL: Derived No-Effect Level.
PNEC: Predicted No-Effect Concentration.
STEL: Short term exposure limit.
TWA: Time weighted average.
PEL: Permissible Exposure Limit.
LC50: Lethal Concentration, 50%.

References

HSDB® - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity
National Toxicology Program (NTP) Report on Carcinogens
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

Disclaimer

All information in this Safety Data Sheet is believed to be accurate and reliable. However, no guarantee or warranty of any kind is made with regard to the accuracy of information or the suitability of the recommendations contained herein. It is the user's responsibility to assess the safety and toxicity of this product under their own conditions of use and to comply with all applicable laws and regulations.

*** Data compared to the previous version altered.**

The asterisk (*) on the left side indicate the respective changes from the previous version.

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