

ETHYL GLYCOL ACETATE

1 IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION:

Trade name: Ethyl Glycol Acetate

1.2 IDENTIFICATION OF THE COMPANY:

RAR Resin & Chemical Industries JLT
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2 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization:

CAS No. Description: 111-15-9-2-ethoxyethyl acetate
Identification number(s)
EINECS Number: 203-839-2
EU Number: 607-037-00-7

3 HAZARDS IDENTIFICATION

Hazard description:



Repr. Cat. 2
T Toxic

Information concerning particular hazards for human and environment: Not applicable.

R 60 May impair fertility.
R 61 May cause harm to the unborn child.
R 20/21/22 Also harmful by inhalation, in contact with skin and if swallowed.

4 FIRST-AID MEASURES

General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Call for a doctor immediately.

5 FIRE FIGHTING MEASURES

Suitable extinguishing agents:

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: Mouth respiratory protective device.

DISCLAIMER

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6 ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:	Not required.
Measures for environmental protection:	Do not allow to enter sewers / surface or ground water.
Measures for cleaning / collecting:	Dilute with plenty of water. Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

7 HANDLING AND STORAGE

Handling:	
Information for safe handling:	No special requirement
Information about fire - and explosion protection:	No special measures required.
Storage:	
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	None.
Information about fire-and explosion protection:	Keep respiratory protective.
Storage:	
Requirements to be met by storerooms and receptacles:	No special requirements.
Information about storage in one common storage facility:	Not required.
Further information about storage conditions:	Keep container tightly sealed.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities: No further data;

Ingredients with limit values that require monitoring at the workplace:

111-15-9 2-ethoxyethyl acetate

PEL (USA)	540 mg/m ³ , 100 ppm Skin
REL (USA)	2.7 mg/m ³ , 0.5 ppm Skin
TLV (USA)	27 mg/m ³ , 5 ppm Skin; BEI
WEL (Great Britain)	55 mg/m ³ , 10 ppm Sk

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product / the substance / the preparation. Due to missing tests no recommendation to the glove material can be given for the product / the preparation / the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: 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.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Goggles recommended during refilling

9 PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Form:	Fluid
Colour:	Colourless
Odour:	Fruit-like

Change in condition

Melting point / Melting range:	-62°C
Boiling point / Boiling range:	156.4°C
Flash point:	54°C
Ignition temperature:	380°C
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	1.7 Vol %
Upper:	12.7 Vol %
Vapour pressure at 20°C:	2.66 hPa
Density at 20°C:	0.97 g/cm ³
Solubility in / Miscibility with:	230 g/l
water at 20°C	
Viscosity:	
Dynamic at 20°C:	1.4 mPas

10 STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11 TOXICOLOGICAL INFORMATION

Acute toxicity:

LD / LC50 values relevant for classification:

Oral	LD50	-3900 mg/kg (rat)
Dermal	LD50	10300 mg/kg (rabbit)

Primary irritant effect:

on the skin: No irritating effect.

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on the eye: No irritating effect.
Sensitization: No sensitizing effects known.

12 ECOLOGICAL INFORMATION

General notes:

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 DISPOSAL CONSIDERATIONS

Product:

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14 TRANSPORT INFORMATION

Land transport ADR / RID (cross-border)



ADR/RID class: 3 Flammable liquids.
Danger code (Kemler): 30
UN-Number: 1172
Packaging group: III
Hazard label: 3
Description of goods: 1172 ETHYLENE GLYCOL MONOETHYL ETHER ACETATE

Maritime transport IMDG:



IMDG Class: 3
UN Number: 1172
Label: 3
Packaging Group: III
EMS Number: F-E, S-D
Marine pollutant: No
Proper shipping name: ETHYLENE GLYCOL MONOETHYL ETHER ACETATE

Air transport ICAO-TI and IATA-DGR:



ICAO / IATA Class: 3
UN / ID Number: 1172
Label: 3

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Packaging group: III
Proper shipping name: ETHYLENE GLYCOL MONOETHYL ETHER ACETATE

15 REGULATORY INFORMATION

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives /Ordinance on Hazardous Materials

Code letter and hazard designation of product:



Repr. Cat. 2
T Toxic

Risk Phrases:

60 May impair fertility
61 May cause harm to the unborn child
20/21/22 Also harmful by inhalation, in contact with skin and if swallowed.

Safety phrases:

53 Avoid exposure - obtain special instructions before use.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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