

Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT SE 3; H336 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

Label elements

- Regulation (EC) No 1272/2008
 - Signal word: Danger

Pictograms:



Hazard statements

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Special labelling of certain mixtures

Restricted to professional users.

Labelling of packages where the contents do not exceed 125 ml Danger





Mixtures

Hazardous components

CAS No	Chemical name	Quantity
78-93-3	butanone; ethyl methyl ketonebutanone; ethyl methyl ketone	35 - < 40 %
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)	20 - < 25 %
123-42-2	4-hydroxy-4-methylpentan-2-one; diacetone alcohol	15 - < 20 %
1330-20-7	xylene	10 - < 15 %
80-08-0	dapsone; 4,4'-diamino diphenyl sulfone	5 - < 10 %

Full text of H statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity		
	Specific Conc. L	Specific Conc. Limits, M-factors and ATE			
25068-38-6	500-033-5	reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)	20 - < 25 %		
	Skin Irrit. 2; H315: >= 5 - 100 Eye Irrit. 2; H319: >= 5 - 100				
123-42-2	204-626-7	4-hydroxy-4-methylpentan-2-one; diacetone alcohol	15 - < 20 %		
	Eye Irrit. 2; H319: >= 10 - 100				
1330-20-7	215-535-7	xylene	10 - < 15 %		
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg				
80-08-0	201-248-4	dapsone; 4,4'-diamino diphenyl sulfone	5 - < 10 %		
	oral: ATE = 500 mg/kg				

Further Information

No information available.

4. First-aid measures

Description of first aid measures

General information

Remove affected person from the danger area and lay down. If unconscious but breathing normally, place in recovery position and seek medical advice. First aider: Pay attention to self-protection!

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

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After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

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After contact with eyes

Rinse mouth immediately and drink plenty of water.

Most important symptoms and effects, whether acute or delayed

No information available.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO2), Foam, Extinguishing powder.

Unsuitable extinguishing media

Full water iet

Specific hazards arising from the hazardous product

Highly flammable. Vapours can form explosive mixtures with air.

Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

General advice

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

7. Handling and storage

Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.



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Vapours can form explosive mixtures with air.

Further information on handling

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

Do not store together with: Oxidising agent, strong, Combustible substances of acute toxicity, category 1 and 2 / very toxic substances Non-combustible substances of acute toxicity, category 1 and 2 / very toxic substances

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

8. Exposure controls/Personal protection

Control parameters

Additional advice on limit values

No information available.

Exposure controls











Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation should be used if possible. In use, may form flammable/explosive vapour-air mixture. Use explosion-proof electrical equipment.

Use non-sparking tools. Protective and hygiene measures

When using do not eat or drink.

Do not breathe gas/fumes/vapour/spray.

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

Wear suitable protective clothing, gloves and eye/face protection.

Draw up and observe skin protection programme.

Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. EN ISO 374

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Thickness of the glove material: >= 0,7mm

Suitable gloves type NBR (Nitrile rubber)

Breakthrough time::>480 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Used working clothes should not be worn outside the work area.

Separate storage of work clothes.





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Wear anti-static footwear and clothing

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filtering device (full mask or mouthpiece) with filter: a

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

Do not allow to enter into surface water or drains.

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Colour:	Liquid transparent
Odour:	Adhesives, sealants
pH-Value:	not determined
Changes in the physical state Melting point/freezing point: Boiling point or initial boiling point and boiling range: Sublimation point: Softening point:	not determined 80 °C not determined not determined
Pour point: not determined:	not determined
Flash point: Sustaining combustion:	-4 °C No data available
Flammability Solid/liquid: Gas:	not applicable not applicable
Explosive properties No information available.	
Lower explosive limits:	0,7 vol. %
Upper explosive limits:	11,5 vol. %
Auto-ignition temperature:	465 °C
Self-ignition temperature Solid: Gas:	not applicable not applicable
Oxidizing properties	not determined
Vapour pressure: (at 20 °C) Vapour pressure:	8 hPa 9 hPa
(at 50 °C)	
Density (at 20 °C): Bulk density:	0,934 g/cm³ not determined

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EP150 Revision date: 07.09.2022 Page 6 of 10 The study does not need to be conducted Water solubility: because the substance is known to be insoluble in water. Solubility in other solvents not determined Partition coefficient n-octanol/water: not determined Viscosity / dynamic: not determined Viscosity / kinematic: not determined Flow time: not determined Relative vapour density: not determined Evaporation rate: not determined not determined Solvent separation test: Solvent content: 69,50 % Other information Solid content: not determined

10. Stability and reactivity

Reactivity

Highly flammable.

Chemical stability

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

Incompatible materials

No information available.

Hazardous decomposition products

No known hazardous decomposition products.

Further information

No information available.

11. Toxicological information

Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) 8333,3 mg/kg; ATE (dermal) 8461,5 mg/kg; ATE (inhalation vapour) 84,62 mg/l; ATE (inhalation dust/mist) 11,538 mg/l



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CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
1330-20-7	xylene				
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
80-08-0	dapsone; 4,4'-diamino diphenyl sulfone				
	oral	ATE 500 mg/kg			

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitizing effects

May cause an allergic skin reaction. (reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700))

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

May cause drowsiness or dizziness. (butanone; ethyl methyl ketonebutanone; ethyl methyl ketone)

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No information available.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Practical experience

No information available.

Information on other hazards

Other information

No information available.

Further information

No information available.

12. Ecological information

Ecotoxicity

No information available.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

14. Transport information

Canadian TDG	
UN number or ID number:	UN 1133
Proper shipping name:	Adhesives
Hazard classes:	3
Packing group:	Ш
Hazard label:	3
Limited quantity:	5L
Marine transport (IMDG)	
<u>UN number:</u>	UN 1133
United Nations proper shipping name:	Adhesives
Transport hazard class(es):	3
Packing group:	Ш
Hazard label:	3
Special Provisions:	223, 955
Limited quantity:	5 L
Excepted quantity. FmS:	EI F-F S-D
Air transport (ICAO-TI/IATA-DGR)	,
<u>UN number:</u>	UN 1133
<u>United Nations proper shipping</u> name:	Adhesives
Transport hazard class(es):	3
Packing group:	Ш
Hazard label:	3



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Special Provisions:	A3			
Limited quantity Passenger:	10 L			
Passenger LQ:	Y344			
Excepted quantity:	E1			
IATA-packing instructions - Passenger:		355		
IATA-max. quantity - Passenger:		60 L		
IATA-packing instructions - Cargo:		366		
IATA-max. quantity - Cargo:		220 L		
Environmental hazards				
ENVIRONMENTALLY HAZARDOUS:	No			

15. Regulatory information

Canadian regulations

16. Other information

Changes

This data sheet contains changes from the previous version in section(s): 2,8,11,15.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service LC50: Lethal concentration, 50% LD50: Lethal dose, 50% Classification for mixtures and used evaluation method according to GHS

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.



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H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
EUH066	Repeated exposure may cause skin dryness or cracking.	
Further Information		
The information is ba	sed on the present level of our knowledge. It does not, however, give assurance of	
product properties ar	d establishes no contract legal rights. The receiver of our product is singularly responsible	ļ.

for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)