

GEN ACC

Mixture of catalysts used with polyurethane injection resins.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GEN ACC
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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1 Classification of the substance or mixture in accordance with regulation (EU)

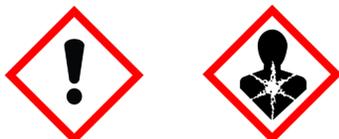
1272/2008:

EUH208 H315 Skin Irrit. 2	H317 Skin Sens. 1
H319 Eye Irrit. 2	H332 Acute tox. 4
H334 Resp. Sens. 1	H335i STOT SE 3
H351 Carc. 2	H373i STOT RE 2

2.2. Label elements

Labelling according to GHS

Hazard pictograms/symbols



Signal Word: Danger

Hazard Statements:

H319 Eye Irrit. 2: Causes serious eye irritation.

2.3. Precautionary Statements:

Prevention : P264: Wash hands thoroughly after handling.
P280: Wear eye protection/face protection.
P280e: Wear protective gloves/protective clothing

Response : P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.

2.4. Other Hazards

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	Concentration (Weight)	
2,2'-dimorpholinyl-diethyl ether	> 30%	CAS number: 6425-39-4 EINECS: 229-194-7 REACH Registration number: 01-2119969278-20 CLP Classification: H319 Eye Irrit. 2
N,N,N'- Trimethylaminoethyl ethanolamine	< 5%	CAS number: 2212-32-0 EINECS: 218-658-4 REACH Registration number: CLP Classification: H302 Acute tox. 4 H315 Skin Irrit. 2 H318 Eye Dam. 1 H335 STOT SE 3

For the full text of the H & R phrases mentioned in this section, see section 16.

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures:**

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

SKIN : Remove contaminated clothing, rinse with plenty of water, if necessary seek medical attention.

EYES: First prolonged rinsing with water (contact lenses to be removed if this is easily done) then take to physician.

INGESTION: Rinse mouth, do not induce vomiting, take to hospital immediately.

INHALATION: Let sit upright, fresh air, rest and take to hospital.

4.2. Most important symptoms and effects, both acute and delayed:

Always ask medical advice as soon as possible should serious or continuous disturbances occur.

SKIN : Redness, pain

EYES: Redness, pain, bad looking

INGESTION: Diarrhoea, headache, abdominal cramps, sleepiness, vomiting

INHALATION: None

4.3. Indication of any immediate medical attention and special treatment needed:

None

SECTION 5: FIRE-FIGHTING MEASURES**5.1. Extinguishing media:**

CO2, FOAM, POWDER, SPRAYED WATER

5.2. Special hazards arising from the substance or mixture:

None

5.2. Advice for firefighters:

Extinguishing agents to be avoided: none

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Do not walk into or touch spilled substances and avoid inhalation of fumes, smoke, dusts and vapours by staying up wind. Remove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

6.1. Environmental precautions:

Do not allow to flow into sewers or open water.

6.3 Methods and material for containment and cleaning up:

Contain released substance, store into suitable containers. If possible remove by using absorbent material.

6.4 Reference to other sections:

For further information check sections 8 & 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Handle with care to avoid spillage.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in a sealed container in a closed, frost-free, ventilated room.

7.3 Specific end use(s):

/

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Listing of the hazardous ingredients in section 3, of which the TLV value is known

/

8.2 Exposure controls:

Inhalation protection:	Respiratory protection is not required. Use ABEK type gas masks in case of irritating exposure. If necessary, use with sufficient exhaust ventilation.	
Skin protection:	Handling with nitril-gloves (EN 374). Breakthrough time: >480' Material thickness: 0,35 mm. Thoroughly check gloves before use. Take of the gloves properly without touching the outside with your bare hands. The manufacturer of the protective gloves has to be consulted about the suitability for a specific work station. Wash and dry your hands.	

Eye protection:	Keep an eye-rinse bottle within reach. Tight-fitting safety goggles. Wear a face shield and protective suit in case of exceptional processing problems.	
Other protection:	Impermeable clothing. The type of protective equipment depends on the concentration and amount of hazardous substances at the work station in question.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

MELTING POINT/MELTING RANGE:	/
BOILING POINT/BOILING RANGE:	204 °C
PH:	/
PH 1% DILUTED IN WATER:	/
VAPOUR PRESSURE/20°C,;	/
Relative density, 20°C:	0.9600 kg/l
Appearance/20°C:	liquid
Flash point:	160 °C
Flammability (solid, gas):	not applicable
Auto-ignition temperature:	330 °C
Upper flammability or explosive limit, (Vol %):	/
Lower flammability or explosive limit, (Vol %):	/
Explosive properties:	not applicable
Oxidising properties:	not applicable
Decomposition temperature:	/
Solubility in water:	not soluble
Partition coefficient: noctanol/water:	not applicable
Odour:	characteristic
Odour threshold:	not applicable
Dynamic viscosity, 20°C:	62 mPa.s
Kinematic viscosity, 40°C:	65 mm ² /s
Evaporation rate (n-BuAc = 1):	/

9.2 Other information:

Volatile organic component (VOC):	/
Volatile organic component (VOC):	19.200 g/l
Sustained combustion test :	/

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Stable under normal conditions

10.2 Chemical stability:

Extremely high or low temperatures.

10.3 Possibility of hazardous reactions:

None

10.4 Conditions to avoid:

Protect from sunlight and do not expose to temperatures exceeding + 50°C.

10.5 Incompatible materials:

Keep away from acids

10.6 Hazardous decomposition products:

Doesn't decompose with normal use

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

H319 Eye Irrit. 2: Causes serious eye irritation.

Calculated acute toxicity, ATE oral: /

Calculated acute toxicity, ATE dermal: /

2,2'-dimorpholinyldiethyl ether	LD50 oral, rat:	≥ 5,000 mg/kg
	LD50 dermal, rabbit:	≥ 5,000 mg/kg
	LC50, Inhalation, rat, 4h:	≥ 50 mg/l
N,N,N'- Trimethylaminoethyl ethanolamine	LD50 oral, rat:	1,580 mg/kg
	LD50 dermal, rabbit:	≥ 5,000 mg/kg
	LC50, Inhalation, rat, 4h:	≥ 50 mg/l

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity:**

2,2'-dimorpholinyldiethyl ether	LC50 (Fish):	> 2150 mg/L (96h)
	NOEC (Fish):	215 mg/L (96h)
	EC50 (Daphnia):	> 100 mg/L (24h)
	NOEC (Daphnia):	100 mg/L (48h)
	EC50 (Algae):	> 100 mg/L (72h)
	NOEC (Algae):	100 mg/L (72h)

12.2 Persistence and degradability:

No additional data available

12.3 Bioaccumulative potential:

No additional data available

12.4 Mobility in soil:

Water hazard class, WGK: 1
Solubility in water: not soluble

12.5 Results of PBT and vPvB assessment:

No additional data available

12.6 Other adverse effects:

No additional data available

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods:**

Draining into the sewers is not permitted. Removal should be carried out by licensed services. Possible restrictive regulations by local authority should always be adhered to.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number:**

Not applicable

14.2 UN proper shipping name:

ADR, IMDG, ICAO/IATA not applicable

14.3 Transport hazard class(es):

Class(es): not applicable

Identification number of the hazard: not applicable

14.4 Packing group:

Not applicable

14.5 Environmental hazards:

Not dangerous to the environment

14.6 Special precautions for user:

Hazard characteristics: not applicable

Additional guidance: not applicable

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Water hazard class, WGK:	1
Volatile organic component (VOC):	/
Volatile organic component (VOC):	19.200 g/l
Composition by regulation (EC) 648/2004:	None

15.2 Chemical Safety Assessment:

No data available

SECTION 16: OTHER INFORMATION**Legend to abbreviations used in the safety data sheet:**

ADR:	The European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF:	Bioconcentration factor
CAS:	Chemical Abstracts Service
CLP:	Classification, Labelling and Packaging of chemicals
EINECS:	European Inventory of Existing Commercial chemical Substances
Nr.:	Number

PTB:	Persistent, toxic, bioaccumulative
TLV:	Threshold Limit Value
vPvB:	Very persistent and very bioaccumulative substances
WGK:	Water hazard class
WGK 1:	Slightly hazardous for water
WGK 2:	Hazardous for water
WGK 3:	Extremely hazardous for water

Legend to the H Phrases used in the safety data sheet:

H302 Acute tox. 4: Harmful if swallowed.
H315 Skin Irrit. 2: Causes skin irritation.
H318 Eye Dam. 1: Causes serious eye damage.
H319 Eye Irrit. 2: Causes serious eye irritation.
H335 STOT SE 3: May cause respiratory irritation.

Reason of revision, changes of following items:

not applicable

SDS reference number:

ECM-109646,00

PREPARATION INFORMATION:

May, 2018

This SDS is on a three year review cycle. If the date on this sheet is older than three years please contact Alchemy-Spetec for an updated SDS.

DISCLAIMER:

All information appearing herein is based on manufacturer and/ or recognized technical sources. While the information is believed accurate Alchemy-Spetec makes no representations as to the accuracy or sufficiency of the information.

SAFETY DATASHEET

