

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION

### Preparation

Enviro-Chem™ AG

### Company

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## 2. HAZARD IDENTIFICATION

### Human health effects

May cause eye irritation

May cause skin sensitization by contact with the skin

### Environmental effects

Based on the known information, there should not be any negative effect on the earth environment, in normal use.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Composition

Aqueous solution containing surfactants

All components are listed at EINECS

Main components :

NAME	CAS #	CONCENTRATION	SIGNS OF RISKS	RISKS PHRASES
Benzaldehyde	100-52-4	3%	Xn	R22 : noxious if ingested
Glyoxal	107-22-2	20%	Xn	R20 – R36/38 – R43 – R68 : noxious if inhaled – irritant for the skin and the eyes – can lead to sensitisation by contact with the skin – possible irreversible effects R22 : noxious if ingested
Neodol	68439-16-3	10%	Xn	

### Application

Odour stabilizer of the biomass

## 4. FIRST-AID MEASURES

### Skin contact

Symptoms: pain, redness, swelling

Wash immediately with plenty of drinkable water.

### Inhalation

Transport the victim to open air

## 5. FIREFIGHTING MEASURES

Nonflammable aqueous solution

### Extinguishing media

Water / foam resisting to alcohol / CO<sub>2</sub> / dry powder

### Exposure hazards

None

### Protective equipment

Firefighters and other exposed wear self-contained breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Wear suitable protective clothing, gloves and eye/face apparatus. See also section 8

### Precautions for the environment

Avoid discharge in the environment

### Methods for cleaning up

Absorb in absorbant granules

Sweep up in containers for disposal

Refer to section 13 for disposal of spilled material

Wash the spilled area with plenty of water

## 7. HANDLING AND STORAGE

### Handling

Usual industrial handling conditions for cleanliness and personal hygiene should be followed

### Storage

Keep the container well closed, between + 5° C and + 25° C

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Technical measures

Provide for local ventilation by aspirated air

### Exposure limits for the workers

No TLV has been established

### Respiratory protection

No special equipment required

### Hand protection

Wear gloves

### Eye protection

Wear eye/face protection

### Skin protection

Wear suitable protective clothing

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: blue-green transparent liquid

Odor : almond

Dynamic viscosity: > 3.0

Specific gravity: 1.098 (25° C/25° C)

## 10. STABILITY AND REACTIVITY

Stable under normal handling and storage conditions

### Conditions to avoid

None

### Materials to avoid

ABS resins

Not stainless steel material

### Hazardous decomposition products

None

## 11. TOXICOLOGICAL INFORMATION

### Laboratory data

No specific toxicity study has been performed  
Data obtained on identical products are listed below :

Oral LD50 (rat) = 3 162 mg/kg

Cutaneous LD50 (rabbit) : > 2 000 mg/kg

### Average skin irritation scores – UE (OCDE test, 24 h)

Redness : 0.83

Swelling : 0.17

Slightly irritant for the skin, but insufficiently for classification

### Average eye irritation scores – EU (OCDE test, 24 h)

Conjunctiva redness : 2.11

Conjunctiva swelling : 2.06

Iris affectation : 1.00

Cornea troubles : 1.61

Bacterial mutagenicity test : not mutagen

### Human data

Experimentation by patch : skin sensitization

## 12. ECOLOGICAL INFORMATION

**No study on the environment has been performed.**

## 13. DISPOSAL CONSIDERATIONS

Small quantities : eliminate as chemical wastes

Large quantities : use adequate absorbing material and dump it in specialized landfill

Follow any local or national regulation

## 14. TRANSPORT INFORMATION

FREE

## 15. REGULATORY INFORMATION

### UE label

Xn - noxious

R 20 Noxious if inhaled

R 22 Noxious if ingested

R 36/38 Irritant for the eyes and the skin

R 43 May provoke skin sensitization by contact

R 68 Possible irreversible effects

S 25 Avoid contact with the eyes

S 24 Avoid contact with the skin

S 37 Wear appropriate gloves

## 16. OTHER INFORMATION

This MSDS has been prepared according to UE Directive 93/112

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