

# Safety Data Sheet

In accordance with REACH Regulation (EC) no. 1907/2006

## 1. Identification of the substance/mixture and of the company/undertaking.

**Product name: GALVEX COLD GALVANISATION**

Use: Cold galvanisation

Product registration no.: 899141

Date: 26.03.2007

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## 2. Hazards identification

The product has hazard classification N;R10-50/53.

The product contains small quantities of solvents which can be absorbed through the skin and which on inhalation in large quantities over a prolonged period may damage the central nervous system.

Contains xylene, which is suspected of impairing fertility.

The product is flammable. The product is harmful to the environment.

## 3. Composition/information on ingredients

Selected ingredients	EINECS/ ELINCS	CAS no.	Wt-%	Classification
Solvent naphtha (petroleum ) light aromatic (<0.1% benzene)	265-199-0	64742-95-6	5-10	R10 Xi;R37 Xn;R65 N;R51/53 R66 R67 <b>ClP*:</b> Flam Liq. 3: H226 Asp. Tox. 1: H304 STOT SE 3: H335 STOT SE 3: H336 Aquatic Chronic 2: H411 EUH066
Xylene	215-535-7	1330-20-7	5-10	F;R10 Xn;R20/21 Xi;R38 <b>ClP:</b> Flam Liq. 3: H226 Acute Tox. 4: H312 Acute Tox. 4: H332 Skin Irrit 2: H315
Zinc powder (stabilised)	231-175-3	7440-66-6	80-90	N;R50/53 <b>ClP:</b> Aquatic Acute 1: H400 Aquatic Chronic 1: H410

ClP\*: European Parliament and Council Regulation (EC) no. 1272/2008. 1272/2008.  
The full text of R and H phrases is given in Par. 16.

## 4. First-aid measures

### Inhalation:

Remove casualty to fresh air. If there is no immediate improvement, seek medical advice.

### Skin contact:

Wash the skin with plenty of soap and water. After washing, rub skin with a thick cream. If the irritation does not improve, seek medical advice.

### Eye contact:

Open the eye wide and rinse with plenty of water for at least 15 minutes. If the irritation does not improve, seek medical advice.

### Swallowing:

Do not provoke vomiting. Give the casualty water or milk to drink. Seek medical advice immediately.

### Burns:

Flush with water until the pain stops. During flushing, remove clothing which is not burnt onto the skin from the burnt area. If medical treatment is necessary, continue flushing until the doctor takes over

treatment.

## 5. Fire-fighting measures

The product is flammable.

As far as possible remove the product from areas threatened by fire. Use supplied-air respirator for fire fighting. Toxic gases (e.g. carbon monoxide) are emitted in the case of fire.

Extinguish the fire with carbon dioxide, foam, powder or water mist.

## 6. Accidental release measures

Avoid ignition sources. No smoking.

In case of release to the external environment, contact the environmental authorities.

Cover/absorb large quantities of released material with sand or other absorbent material.

These must then be treated as waste. See also Pars. 8 and 13.

Do not let the product run into drainage systems.

## 7. Handling and storage

Ensure there is good ventilation when using the product. If this is not possible approved breathing masks may be worn as a temporary measure. See Par. 8.

Avoid contact with skin and eyes. If this cannot be avoided, protective gloves may be worn. Where there is a risk of splashing, protective goggles may be worn. See Par. 8.

Store the product in the closely sealed original packaging in a cool and well-ventilated place.

Fire hazard class: II-1, One storage unit: 5 litres.

## 8. Exposure controls/personal protection

The following notifiable ingredients have a threshold value under Danish Working Environment Authority Instruction (At-anvisning) C.0.1, 2007:

Petroleum (solvent naphtha)	25 ppm (Advisory)
Xylene, all isomers the skin)	109 mg/m <sup>3</sup> (EU threshold value, Absorbable through
Zinc oxide, calc. as Zn	0.5 mg/m <sup>3</sup>

Compliance with threshold values can be checked with occupational hygiene measurements.

In the case of a workplace user instruction, it must be ensured that employees are not exposed to effects which could present a risk for pregnancy or breast-feeding.

The following personal protective measures are recommended, where necessary:

**Breathing apparatus:**

Rubber half-mask/A2 filters

**Gloves:**

4H.

**Eye**

**protection:**

Goggles if  
necessary.

## 9. Physical and chemical properties

Appearance:	Pasty	Solubility in water:	-
	-	Partition coefficient	
Odour:	-	n-octanol/water:	-
pH:	-	Flash point:	25°C

Boiling point:	-	Self-ignition temperature:	-
Melting point:	-	Explosion limits:	1-9 vol%
Vapour pressure (20□):	0.96 kg/l	Viscosity:	>7x10 <sup>-6</sup> m <sup>2</sup> /s
Density:			

-: Means no data or not applicable

## 10. Stability and reactivity

On contact with strong oxidants, heating and formation of flammable vapours may occur.  
On heating, vapours are emitted which may ignite and form explosive mixtures with air.

## 11. Toxicological information

### Inhalation:

Vapour from the product has a strong irritant effect on the respiratory system and can lead to dizziness, headache and general feelings of unwellness.

### Skin contact:

The product has an irritant effect on contact with the skin. Repeated exposure may cause dry or cracked skin due to degreasing effect. Contains a component which can be absorbed through the skin. On this, see "Inhalation".

### Eye contact:

The product has an irritant effect on contact with the eyes.

### Swallowing:

Swallowing will cause nausea, discomfort and possible vomiting.

### Long-term effects:

Repeated or prolonged exposure to the product may damage the central nervous system. Contains xylene, which is suspected of impairing fertility.

## 12. Ecological information

Danger to aquatic environments: Zinc powder is very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment Solvent naphtha (petroleum) is toxic for aquatic organisms and may cause long-term adverse effects in the aquatic environment according to Danish Environment Ministry rules. With regard to other ingredients there is insufficient data for an environmental classification according to Danish Environment Ministry rules.

The product is highly toxic for aquatic organisms and may cause long-term adverse effects in the aquatic environment according to Danish Environment Ministry rules.

Danger to other ecosystems: Insufficient data.

## 13. Disposal considerations

Waste catalogue code (EAK Code): 08 01 21. The product is regarded as hazardous waste. Spillage and residues to be disposed according to Local Authority instructions e.g. a municipal receiving station for chemical waste.

In case of disposal to Kommunekemi, please quote chemical wastes group: H.

For transport as waste: See Par. 14.

## 14. Transport information

**UN No.:** 1263; **ADR/RID class:** 3; **Classification code:** F1; **Packaging group:** III;  
**Goods description:** Paint-related products (contain xylene); **IATA:** 3; **IMDG:** 3; **EmS:** F-E, S-E

## 15. Regulatory information

Hazard label on packaging:

Flammable (R10)  
Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment (R50/53)

Keep away from sources of ignition – No smoking (S16)  
Do not breathe vapour (S23)  
Avoid release to the environment. Refer to special instructions/safety data sheet (S61)



**MAL code** (1993): 2-1

Limitations on use: May not be used by young people under 18 years (except apprentices).

Requirements for special training: None.

Also covered by the following special statutory instruments:

- Statutory Instrument on work with coded products, no. 302 of 13 May 1993

Requirement for workplace user instruction as the product contains  $\geq 1\%$  of a substance classified as hazardous to health under Danish Environment Ministry rules.

## 16. Other information

The following paragraphs have been revised: 1, 2, 3, 4, 7, 8, 9, 11, 12, 13, 15 and 16.

Text of R and H phrases named in Pars. 2 and 3.

R10: Flammable; R20/21: Harmful by inhalation and on contact with skin

R37: Irritating to respiratory system; R38: Irritating to skin

R50/53: Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment

R51/53: Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment

R65: Harmful: May cause lung damage if swallowed; R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapour may cause drowsiness or dizziness

H226 Flammable liquid and vapour; H304: May cause fatal injury if inhaled or swallowed

H312: Harmful on contact with skin; H315: Causes skin irritation; H332: Harmful on inhalation

H335: May cause irritation of airways; H336: May cause drowsiness or dizziness

H400: Very toxic to aquatic organisms

H410: Very toxic to aquatic organisms with long-term effects

H411: Toxic to aquatic organisms with long-term effects

EUH066: Repeated exposure may result in dry or cracked skin

### Advice and training/instruction:

The product may only be used by persons instructed in the execution of the work and familiar with the contents of this safety data sheet.

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