

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 SPRAY

Use: Corrosion protection for iron and metal

Product registration no.: 1987557

Date: 26.11.1996

Most recent revision: 11.03.2010

Contact person: lja@eurofins.dk

Phone no. for emergencies: +45 86 26 11 77

+45 82 12 12 12 (Bispebjerg Hospital, Giftlinje ("Toxins Line"))

The logo for Unipak, featuring the word "Unipak" in a bold, yellow, sans-serif font with a blue outline.

2. Hazards identification

The product has hazard classification F+,Xn,N;R12-20/21-50/53.

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

3. Composition/information on ingredients

Selected ingredients	EINECS/ ELINCS	CAS no.	Wt-%	Classification
Dimethyl ether	204-065-8	115-10-6	15-30	F+;R12 ClaP*: Flam Gas 1: H220
Xylene	215-535-7	1330-20-7	12,5-20	F;R10 Xn;R20/21 Xi;R38 ClaP: Flam Liq. 3: H226 Acute Tox. 4: H312 Acute Tox. 4: H332 Skin Irrit 2: H315
Solvent naphtha (petroleum) light aromatic (<0.1% benzene)	265-199-0	64742-95-6	1-5	F;R10 Xi;R37 Xn;R65 N;R51/53 R66 R67 ClaP*: Flam Liq. 3: H226 Asp. Tox. 1: H304 STOT SE 3: H335 STOT SE 3: H336 Aquatic Chronic 2: H411 EUH066
Zinc powder (stabilised)	231-175-3	7440-66-6	55-65	N;R50/53 ClaP: Aquatic Acute 1: H400 Aquatic Chronic 1: H410
Zinc phosphate	231-944-3	7779-90-0	<2,5	N;R50/53 ClaP: Aquatic Acute 1: H400 Aquatic Chronic 1: H410
Zinc oxide	215-222-5	1314-13-2	<2,5	N;R50/53 ClaP: Aquatic Acute 1: H400 Aquatic Chronic 1: H410
Naphtha (petroleum), hydrodesulphurised heavy (<0.1% benzene)	265-185-4	64742-82-1	<2,5	F;R10 N;R51/53 Xn;R65 R66 R67 ClaP: Flam Liq. 3: H226 Asp. Tox. 1: H304 STOT SE 3: H336 Aquatic Chronic 2: H411 EUH066

ClaP*: 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:

Seek 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. In case of persistent irritation, 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:

Avoid vomiting if possible. Give the casualty water or milk to drink. Seek medical advice.

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 highly flammable. Containers may explode if heated above 50°C.

In case of fire, cool with water. As far as possible remove the product from areas threatened by fire.

Extinguish the fire with carbon dioxide, foam, powder or water mist. Do not use water jets.

Use supplied-air respirator for fire fighting. Toxic gases (e.g. carbon monoxide) are emitted in the case of fire.

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 enter 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. Use protective gloves. 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. Avoid temperatures over 50°C.

Fire hazard class: I-1, One storage unit: 1litre.

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)
Dimethyl ether	1,885 mg/m ³ (EU threshold value)
Naphtha (petroleum)	180 mg/m ³ (Advisory)
Xylene, all isomers	109 mg/m ³ (EU threshold value, Absorbable through the skin)
Zinc oxide, calc. as Zn	0.5 mg/m ³

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: Supplied-air
Gloves: 4H or similar quality
Eye protection: Goggles if necessary.

9. Physical and chemical properties

Appearance:	Aerosol	Solubility in water:	Insoluble
	-	Partition coefficient	
Odour:	-	n-octanol/water:	-
pH:	-	Flash point:	-42°C
Boiling point:	-24°C	Self-ignition temperature:	235°C
Melting point:	5200 hPa	Explosion limits:	1.1-18.6 Vol%
Vapour pressure (20 °C):	-	Viscosity:	-
Density:			

-: Means no data or not applicable

10. Stability and reactivity

Risk of explosion when heated.

11. Toxicological information

Inhalation:

Harmful on contact with skin. Vapour from the product has an irritant effect on the respiratory system and can lead to dizziness, headache and general feelings of unwellness.

Skin contact:

Harmful on contact with skin. The product has a highly irritant effect on contact with the skin. The product 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 may 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, zinc phosphate and zinc oxide are highly toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Solvent naphtha (petroleum) and naphtha are toxic to 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): 16 05 04. 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: Z.

For transport as waste: See Par. 14.

14. Transport information

UN No.: 1950; **ADR/RID class:** 2; **Classification code:** 5F; **Packaging group:** -; **Goods description:** Aerosols; **IATA:** 2; **IMDG:** 2; **EmS:** F-D, S-U

15. Regulatory information

Hazard label on packaging:

Contains: Xylene
Extremely flammable (R12)
Harmful by inhalation and in contact with skin (R20/21)
Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment (R50/53)

Do not breathe vapour/spray (S23)
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point (S29/56)
Wear suitable protective clothing and gloves (S36/37)
If swallowed, seek medical advice immediately and show this container or label (S46)
Use only in well-ventilated areas (S51)
Avoid release to the environment. Refer to special instructions/safety data sheet (S61)



Container under pressure. Must be protected from sunlight and not exposed to temperatures above 50°C. Do not pierce or burn, even when empty. Do not spray near naked flame or incandescent material. Store away from any ignition source – No smoking. Store out of reach of children.

"Industrial use only"

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 aerosols, no. 1003 of 26 October 2009.

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, 7, 8, 11, 12, 13, 15 and 16.

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

R10: Flammable

R12: Extremely 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

H220: Extremely flammable gas

H226 Flammable liquid and vapour

H304: May be fatal through inhalation or if 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.

**Prepared by: Eurofins Product Testing A/S, Smedeskovvej
38, 8464 Galten, Tel.: 70 22 42 76, Fax:70 22 42 75**