

FOSROC

SAFETY DATA SHEET GALVAFROID

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME GALVAFROID

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2 HAZARDS IDENTIFICATION

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION N;R50/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
AROMATIC HYDROCARBON	265-199-0	64742-95-6	10-30%	Xn;R20. Xi;R36/37/38. N;R51/53. R10.
C14-17 CHLORINATED PARAFFIN	287-477-0	85535-85-9	1-5%	N;R50/53.
REACTION PRODUCT WITH FATTY ACID AND AMINOETHYLPIPERAZINE 2-PIPERAZINE-1-YLETHYLAMINE	295-532-5	92062-17-4	< 1%	Xi;R38,R41. N;R50/53.
ZINC DUST (DISTILLED)	231-175-3	7440-66-6	60-100%	N;R50/53.

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move into fresh air and keep at rest.

Get medical attention if any discomfort continues.

INGESTION

Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.

Get medical attention.

SKIN CONTACT

Wash the skin immediately with soap and water.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids.

Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control.

Use water SPRAY only to cool containers! Do not put water on leaked material.

GALVAFROID

UNUSUAL FIRE & EXPLOSION HAZARDS

Vapours are heavier than air and may spread near ground to sources of ignition.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Use protective gloves, goggles and suitable protective clothing.

Do not breathe vapour.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

Absorb in vermiculite, dry sand or earth and place into containers.

Provide ventilation and confine spill. Do not allow runoff to sewer.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame.

Container must be kept tightly closed.

Provide good ventilation.

STORAGE PRECAUTIONS

Keep away from heat, sparks and open flame.

Keep in original container.

Flammable/combustible - Keep away from oxidisers, heat and flames.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
AROMATIC HYDROCARBON			200 mg/m3		

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

Chemical resistant gloves required for prolonged or repeated contact.

Gloves of nitrile rubber, PVA or Viton are recommended.

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Use engineering controls to reduce air contamination to permissible exposure level.

HYGIENE MEASURES

Wash promptly with soap & water if skin becomes contaminated.

GALVAFROID

DO NOT SMOKE IN WORK AREA!

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Grey		
ODOUR	Aromatic.		
SOLUBILITY	Insoluble in water		
BOILING POINT (°C)	155 - 181	MELTING POINT (°C)	Not applicable
RELATIVE DENSITY	2.58 20°C	VAPOUR PRESSURE	0.25 @ 20°C
EVAPORATION RATE	0.20	pH-VALUE, CONC. SOLUTION	Not applicable (non-aqueous)
VISCOSITY	6 poise	FLASH POINT (°C)	41
AUTO IGNITION TEMPERATURE (°C)	> 450		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

Avoid contact with strong oxidisers.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire, toxic gases (CO, CO₂, NO_x) may be formed.

11 TOXICOLOGICAL INFORMATION**INHALATION**

Vapours may irritate throat and respiratory system and cause headache, dizziness and dullness.

INGESTION

Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT

Repeated exposure may cause skin dryness or cracking.

Irritating to skin.

EYE CONTACT

Irritating and may cause redness and pain.

12 ECOLOGICAL INFORMATION**MOBILITY**

Mobile.

DEGRADABILITY

The product is expected to be biodegradable.

ACUTE FISH TOXICITY

Expected to be toxic to aquatic organisms

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Contact specialist disposal companies.

WASTE CLASS

16-03-05*

HCODE

H3B, H5, H14

14 TRANSPORT INFORMATION

GALVAFROID



UK ROAD CLASS	3		
PROPER SHIPPING NAME	PAINT RELATED MATERIAL		
UN NO. ROAD	1263	UK ROAD PACK GR.	III
ADR CLASS NO.	3	ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III	HAZCHEM CODE	3Y / 30
RID CLASS NO.	3	RID PACK GROUP	III
UN NO. SEA	1263	IMDG CLASS	3
IMDG PACK GR.	III	MARINE POLLUTANT	Yes.
UN NO. AIR	1263	AIR CLASS	3
AIR PACK GR.	III		

15 REGULATORY INFORMATION

LABELLING



Dangerous for the environment

RISK PHRASES

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

SAFETY PHRASES

S57 Use appropriate containment to avoid environmental contamination.
 S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

16 OTHER INFORMATION

REVISION DATE 12/12/2007
 REV. NO./REPL. SDS GENERATED 2
 DATE 29/01/2009

RISK PHRASES IN FULL

R10 Flammable.
 R20 Harmful by inhalation.
 R36/37/38 Irritating to eyes, respiratory system and skin.
 R38 Irritating to skin.
 R41 Risk of serious damage to eyes.
 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.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.