



SAFETY DATA SHEET

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

Product Name: **GALVAFROID**

Application: Cold galvanising paint.

Company: **Fosroc Limited**

Address: Coleshill Road, Tamworth, Staffordshire. B78 3TL

Telephone: 01827 262222 Out of Hours: 01827 265279 Fax: 01827 262444

2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: aromatic hydrocarbon solvent, plasticisers, metallic zinc.

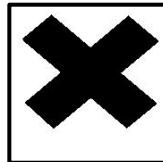
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
1,2,4-trimethylbenzene	Xn,N	R10-20-36/37/38-51/53	Cas No: 95-63-6	>10 <25
zinc powder	none	R10, 15	Cas No: 7440-66-6 Cas No: Cas No: Cas No:	>50

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

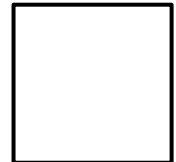
R10: Flammable.
R20: Harmful by inhalation
R36/37/38: Irritating to eyes, respiratory system and skin
R15: Contact with water liberates highly flammable gases.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment



HARMFUL



Dangerous for
the Environment



4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention if irritation persists.

Skin: Wash immediately with soap and water or suitable skin cleanser.

Inhalation: Remove from exposure, rest and keep warm and obtain medical attention urgently.

Ingestion: Do NOT induce vomiting. Obtain medical attention. Beware of aspiration if vomiting occurs.

5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, powder, foam or water fog - Do not use water jets.

Special Exposure Hazards: Toxic fumes. For further information see Section 10.

Special Protective Equipment: Self-contained breathing apparatus.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Immediately issue NO SMOKING and NO NAKED FLAMES warnings. Wear self contained breathing apparatus and protective clothing.
Environmental Precautions:	Prevent entry into drains, sewers and water courses.
Decontamination Procedures:	Soak up with inert absorbent or contain and remove by best available means. Dispose of as waste.

7: HANDLING AND STORAGE

Handling:	Do not use near sources of ignition. Use only in well ventilated areas. Avoid breathing vapours. Avoid skin and eye contact. Handle and open containers with care. Re-seal the container after use. Water must not be allowed to enter containers. Zinc will react with water, releasing hydrogen which could pressurise the container.
Storage:	Store away from sources of ignition. Store out of direct sunlight. Store in cool, dry area.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance	8 Hour TWA	STEL	Source/Other Information
Trimethylbenzene,- all isomers or mixtures	125m.mg ⁻³	- - -	EH40

Engineering Control Measures:	Use only in well ventilated areas. Use flameproof equipment and isolate all potential sources of ignition.
Personal Protective Equipment:	In case of insufficient ventilation wear suitable respiratory equipment. (Class 1 respirator CE marked to EN 140, with EN 141/143 Type A1 filter.). Impervious gloves (eg Nitrile). Safety glasses (Conforming to EN 166) / Goggles (Conforming to EN 166). Change contaminated clothing and clean before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid.
Colour:	Grey.
Odour:	Aromatic.
pH(concentrate):	Not applicable (non-aqueous).
pH(working dilution):	
Boiling Point/Range (°C):	155 - 180
Melting Point/Range (°C):	Not applicable.
Flash Point (closed, °C):	41
Autoflammability (°C):	Autoignition temperature: >450
Viscosity (at 20°C):	6 poise (2.3 x 10 ⁻⁴ m ² /sec)
Explosive Properties (%):	Lower explosive limit (LEL): 0.6%. Upper explosive limit (UEL): 7.0%.
Oxidising Properties:	Not determined.
Vapour Pressure (kPa at 20°C):	0.25
Relative Density (at 20°C):	2.58
Water Solubility:	Insoluble.
Fat Solubility:	
Partition Coefficient (n-octanol/water):	
Other data:	Evaporation rate (n-butyl acetate = 1): 0.20

10: STABILITY AND REACTIVITY

Stability: Stable if used as directed. Contains volatile solvent.
Conditions to Avoid: Any source of ignition. Contamination with water.
Materials to Avoid: Contamination by water. Strong oxidising agents.
Hazardous Decomposition Products: May react with water, liberating highly flammable hydrogen gas.

11: TOXICOLOGICAL INFORMATION

Expected oral LD50, rat > 2g/kg.

Health Effects

On Eyes: Irritating and may injure eye tissue if not removed promptly. Vapour may cause irritation.
On Skin: Mildly irritating. May defat the skin.
By Inhalation: Mist and vapours may cause irritation to nose and respiratory tract. Vapours may cause headaches, dizziness and central nervous system depression.
By Ingestion: May cause nausea, vomiting and diarrhoea.
Aspiration of liquid during ingestion or from vomiting may cause severe chemical pneumonitis.
Chronic: Repeated and prolonged skin contact may lead to skin disorders.
Other:

12: ECOLOGICAL INFORMATION

Environmental Assessment: Contains volatile organic compounds. When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility: Volatile. Mobile liquid. Insoluble in water.
Persistence and Degradability: Not readily biodegradable.
Bioaccumulative Potential: Not expected to be bioaccumulative.
Ecotoxicity: Not determined.

13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose of through an authorised waste contractor to a licensed site.
Used/Contaminated Product: Dispose of through an authorised waste contractor to a licensed site. May be incinerated. Do not empty into drains, sewers or water courses.
Packaging: Must be disposed of through an authorised waste contractor.
May be steam cleaned and recycled.
Contains volatile solvent, ventilate before steam cleaning (explosion risk).
Contains flammable residues, do not crush or incinerate.

14: TRANSPORT INFORMATION

UN Number: 1263
IMO: Class: 3 Packing Group: III Marine Pollutant: Yes
IATA/ICAO: Class: 3 Packing Group: III
ADR: Class: 3 Item: 31(c)
Transport Name: Paint Related Material.
Hazchem/Kemler Code: 3[Y] / 30

15: REGULATORY INFORMATION

Hazard Label Data:-

Named Ingredients: petroleum hydrocarbon
UN Number: 1263

Symbol(s): Xn: Harmful, N: Dangerous for the Environment

Risk Phrases: R10: Flammable.
R20: Harmful by inhalation
R36/37/38: Irritating to eyes, respiratory system and skin
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Safety Phrases: S02: Keep out of reach of children.
S16: Keep away from sources of ignition - No smoking.
S24/25: Avoid contact with skin and eyes.
S43D: In case of fire use CO₂/Dry Powder/ or Foam - never use water.
S51: Use only in well ventilated areas.

EC Directives: Dangerous Preparations Directive, 88/379/EEC.
Safety Data Sheets Directive, 91/155/EEC.
Dangerous Substances Directive, 67/548/EEC and adaptations.

Statutory Instruments: Health & Safety at Work, etc. Act 1974.
Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092).
Control of Substances Hazardous to Health Regs. 1999 (SI 3246).
Environmental Protection Act 1990.

Codes of Practice: Waste Management. The Duty of Care.

Guidance Notes: Storage of packaged dangerous substances [HS(G)71].
Occupational exposure limits (EH 40).

The above publications are available from HMSO

16: OTHER INFORMATION

* The classification as a carcinogen need not apply as this substance contains less than 0.1% w/w benzene..

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Fosroc Ltd.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from Fosroc Limited.

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SDS Reference: 3260/ACT/02

REVISION

Supersedes issue no: 03 dated: 09.03.98

Sections updated/revised - no(s): 1 2,3,8,15.