



## SAFETY DATA SHEET GALVAFROID

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

**PRODUCT NO.** M7010

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### 2 HAZARDS IDENTIFICATION

Harmful: may cause lung damage if swallowed. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**CLASSIFICATION (1999/45)** Xn;R65. N;R50/53.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
ZINC POWDER - ZINC DUST (STABILISED)		7440-66-6	60-100%	N;R50/53
SOLVENT NAPHTHA	265-199-0	64742-95-6	10-30%	Xn;R65. Xi;R37. N;R51/53. R10,R66,R67.
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	5-10%	R10 Xn;R20 Xi;R36/37/38 N;R51/53
ZINC OXIDE	215-222-5	1314-13-2	1-5%	N;R50/53
MESITYLENE	203-604-4	108-67-8	1-5%	R10 Xi;R37 N;R51/53
CHLORINATED PARAFFIN	287-477-0	85535-85-9	1-5%	N;R50/53.
REACTION PRODUCT WITH FATTY ACID AND AMINOETHYLPIPERAZINE	295-532-5	92062-17-4	< 1%	Xi;R38,R41. N;R50/53.
XYLENE	215-535-7	1330-20-7	< 1%	R10 Xn;R20/21 Xi;R38
CUMENE	202-704-5	98-82-8	< 1%	R10 Xn;R65 Xi;R37 N;R51/53

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

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

#### INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Drink plenty of water. Get medical attention immediately! Provide rest, warmth and fresh air.

#### SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

**GALVAFROID****EYE CONTACT**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

**5 FIRE-FIGHTING MEASURES****EXTINGUISHING MEDIA**

Fire can be extinguished using: Foam. Dry chemicals, sand, dolomite etc.

**SPECIAL FIRE FIGHTING PROCEDURES**

Avoid breathing fire vapours. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

**6 ACCIDENTAL RELEASE MEASURES****SPILL CLEAN UP METHODS**

Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer.

**7 HANDLING AND STORAGE****USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
1,2,4-TRIMETHYLBENZENE	WEL	25 ppm	125 mg/m <sup>3</sup>			
CUMENE	WEL	25 ppm	125 mg/m <sup>3</sup>	50 ppm	250 mg/m <sup>3</sup>	Sk
MESITYLENE	WEL	25 ppm	125 mg/m <sup>3</sup>			
SOLVENT NAPHTHA	WEL	19 ppm				
XYLENE	WEL	50 ppm	220 mg/m <sup>3</sup>	100 ppm	441 mg/m <sup>3</sup>	Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

**PROTECTIVE EQUIPMENT****ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

**RESPIRATORY EQUIPMENT**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

**HAND PROTECTION**

Use protective gloves.

**EYE PROTECTION**

Wear approved safety goggles.

**OTHER PROTECTION**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

**GALVAFROID****HYGIENE MEASURES**

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

<b><u>APPEARANCE</u></b>	Liquid
<b><u>COLOUR</u></b>	Grey
<b><u>ODOUR</u></b>	Aromatic.
<b><u>SOLUBILITY</u></b>	Insoluble in water
<b><u>BOILING POINT (°C)</u></b>	155 - 181
<b><u>VAPOUR PRESSURE</u></b>	0.25 kPa 20
<b><u>EVAPORATION RATE</u></b>	0.20 (EtOH=1 )
<b><u>VISCOSITY</u></b>	6 Ps
<b><u>AUTO IGNITION TEMPERATURE (°C)</u></b>	> 450

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid contact with acids and oxidising substances.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11 TOXICOLOGICAL INFORMATION****HEALTH WARNINGS**

INHALATION. Prolonged inhalation of high concentrations may damage respiratory system. SKIN CONTACT. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Prolonged or repeated exposure may cause severe irritation. EYE CONTACT. May cause severe irritation to eyes. INGESTION. The product causes irritation of mucous membranes and may cause abdominal discomfort if swallowed.

**TARGET ORGANS**

Skin Eyes Respiratory system, lungs

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

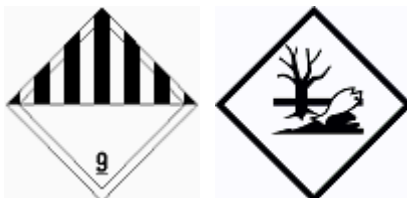
No data on possible environmental effects have been found.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

**WASTE CLASS** 08-02-99

**HCODE** H9, H14

**14 TRANSPORT INFORMATION****PROPER SHIPPING NAME**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA, ZINC POWDER - ZINC DUST (STABILISED))

**GALVAFROID**

<b><u>UN NO. ROAD</u></b>	3082
<b><u>ADR CLASS NO.</u></b>	9
<b><u>ADR CLASS</u></b>	Class 9: Miscellaneous dangerous substances and articles.
<b><u>ADR PACK GROUP</u></b>	III
<b><u>TUNNEL RESTRICTION CODE</u></b>	(E)
<b><u>HAZARD No. (ADR)</u></b>	90
<b><u>ADR LABEL NO.</u></b>	9
<b><u>HAZCHEM CODE</u></b>	+3Z
<b><u>UN NO. SEA</u></b>	3082
<b><u>IMDG CLASS</u></b>	9
<b><u>IMDG PACK GR.</u></b>	III
<b><u>EMS</u></b>	F-A, S-F
<b><u>UN NO. AIR</u></b>	3082
<b><u>AIR CLASS</u></b>	9
<b><u>AIR PACK GR.</u></b>	III

**15 REGULATORY INFORMATION****LABELLING**

Harmful



Dangerous for the environment

**CONTAINS**

SOLVENT NAPHTHA

**RISK PHRASES**

R50/53

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

R65

Harmful: may cause lung damage if swallowed.

**SAFETY PHRASES**

S57

Use appropriate containment to avoid environmental contamination.

S60

This material and its container must be disposed of as hazardous waste.

S61

Avoid release to the environment. Refer to special instructions/safety data sheets.

S62

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**ENVIRONMENTAL LISTING**

Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.

**EU DIRECTIVES**

System of specific information relating to Dangerous Preparations. 2001/58/EC.

**STATUTORY INSTRUMENTS**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

**APPROVED CODE OF PRACTICE**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

**GUIDANCE NOTES**

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

**16 OTHER INFORMATION****GENERAL INFORMATION**

Only trained personnel should use this material.

**REVISION DATE**

08/03/2011

**GALVAFROID****REV. NO./REPL. SDS** 1**GENERATED****DATE** 13/11/2010**RISK PHRASES IN FULL**

R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R20	Harmful by inhalation.
R65	Harmful: may cause lung damage if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67	Vapours may cause drowsiness and dizziness.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.