

# SAFETY DATA SHEET

Version nr. : 2

Date : 5 / 11 / 2013

Supersedes : 07.05.08

## MONOPRIMER



3 : Flammable liquid.



9 : Miscellaneous dangerous substances and articles.



Xn : Harmful



N : Dangerous for the environment

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

Type of product : Paint.  
 Identification of the product : 1K Finish  
 Trade name : MONOPRIMER  
 Use : Industrial.  
 Company identification : ZINGAMETALL bvba  
 Industriepark  
 Rozenstraat 4  
 9810 Eke – Belgium  
 Tel: (32) 9 385.68.81 Fax: (32) 9 385.58.69  
 Name and function of the responsible person : Guy Willemot  
 zingametall@zinga.be  
 Emergency phone nr : (32) 70 245.245 (B)

### 2 HAZARDS IDENTIFICATION

Risk Phrases : Irritating to respiratory system.  
 May cause sensitization by skin contact.  
 May cause sensitization by inhalation. Harmful by inhalation, in contact with skin and if swallowed.  
 Dangerous product : This product is flammable. In use, may form flammable/explosive vapour-air mixture.  
 Environmental hazard : Dangerous due to potential toxicity for the environment.  
 May cause long-term adverse effects in the aquatic environment.

### 3 COMPOSITION / INFORMATION ON INGREDIENTS

Components : This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	REACH nr.	Classification
ZINC POWDER - ZINC DUST ( STABILISED)	: Between 25 and 35 %	7440-66-6	231-175-3	030-001-00-1	01-2119467174-37	N; R50-53 Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
Xylene	: Between 1.01 and 6 %	1330-20-7	215-535-7	601-022-00-9	01-2119488216-32	R10 Xn; R20/21 Xi; R38 Flam. Liq. 3 (H226) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315)
ETHYLBENZENE	: Between 0.01 and 1 %	100-41-4	202-849-4	601-023-00-4	01-2119489370-35	F; R11 Xn; R20 Flam. Liq. 2 (H225) Acute Tox. 4 (H332)
M-TOLYLIDENE DIISOCYANATE	: Between 0.01 and 1 %	26471-62-5	247-722-4	615-006-00-4	01-2119454791-34	Carc. Cat. 3; R40 T+; R26 Xi; R36/37/38 R42/43 R52-53 Acute Tox. 2 (H330) Resp. Sens. 1 (H334)



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## 3 COMPOSITION / INFORMATION ON INGREDIENTS (continued)

								Carc. 2 (H351) Eye irrit 2 (H319) Skin Irrit. 2 (H315) STOT SE 3 (H335) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)
4-ISOCYANATOSULPHONYLTOLUENE	: Between 0.01 and 1 %	4083-64-1	223-810-8	615-012-00-7	----			R14 Xi; R36/37/38 R42 ----- Resp. Sens. 1 (H334) Eye irrit 2 (H319) Skin Irrit. 2 (H315) STOT SE 3 (H335) React. (EUH014)
HYDROCARBONS, C9 AROMATICS	: Between 5 and 10 %	64742-95-6	265-199-0	649-356-00-4	01-2119455851-35			R10 Xn; R65 R66 R67 Xi; R37 N; R51-53 ----- Asp. Tox 1 (H304) Flam. Liq. 3 (H226) STOT SE 3 (H335) STOT RE (EUH066) Aquatic Chronic 2 (H411)
DIPHENYLMETHANE-4,4'-DIISOCYANATE, ISOMERES AND HOMOLOGUES	: Between 1 and 5 %	9016-87-9	----	615-005-01-6	----			Xn; R20 Xi; R36/37/38 R42/43 ----- Resp. Sens. 1 (H334) Acute Tox. 4 (H332) Eye irrit 2 (H319) Skin Irrit. 2 (H315) STOT SE 3 (H335) Skin Sens. 1 (H317)
ZINC OXIDE	: Between 1 and 5 %	1314-13-2	215-222-5	----	01-2119463881-32			N; R50-53 ----- Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)
2-METHOXY-1-METHYLETHYL ACETATE	: Between 1 and 5 %	108-65-6	203-603-9	607-195-00-7	01-2119475791-29			R10 ----- Flam. Liq. 3 (H226)
4,4'-METHYLENEDIPHENYL DIISOCYANATE	: Between 0.01 and 1 %	101-68-8	202-966-0	615-005-00-9	01-2119457014-47			Carc. Cat. 3; R40 Xn; R20-48/20 Xi; R36/37/38 R42/43 ----- Resp. Sens. 1 (H334) Acute Tox. 4 (H332) Carc. 2 (H351) Eye irrit 2 (H319) Skin Irrit. 2 (H315) STOT SE 3 (H335) Skin Sens. 1 (H317) STOT RE 2 (H373)
DIPHENYLMETHANE-2,4'-DIISOCYANATE	: Between 0.01 and 1 %	5873-54-1	227-534-9	615-005-00-9	01-2119480143-45			Carc. Cat. 3; R40 Xn; R20-48/20 Xi; R36/37/38 R42/43 ----- Resp. Sens. 1 (H334) Acute Tox. 4 (H332) Carc. 2 (H351) Eye irrit 2 (H319) Skin Irrit. 2 (H315) STOT SE 3 (H335) Skin Sens. 1 (H317) STOT RE 2 (H373)
TOLUENE-2,4-DI-ISOCYANATE	: Between 0.01 and 1 %	584-84-9	209-544-5	615-006-00-4	01-2119486974-18			Carc. Cat. 3; R40 T+; R26 Xi; R36/37/38 R42/43 R52-53 ----- Acute Tox. 2 (H330) Resp. Sens. 1 (H334) Carc. 2 (H351) Eye irrit 2 (H319) Skin Irrit. 2 (H315) STOT SE 3 (H335) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)



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### 4 FIRST AID MEASURES

- First aid measures
- Inhalation : Assure fresh air breathing. If you feel unwell, seek medical advice.
  - Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
  - Eye contact : Rinse immediately with plenty of water.
  - Ingestion : Rinse mouth. If swallowed, seek medical advice immediately and show this container or label.

### 5 FIRE-FIGHTING MEASURES

- Flammable class : This product is flammable.
- Specific hazards : May form flammable/explosive vapour-air mixture.
- Prevention : No naked lights. No smoking.
- Extinguishing media : Powder. Sand. Carbon dioxide.
- Surrounding fires : Use water spray or fog for cooling exposed containers.
- Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures : Avoid (reject) fire-fighting water to enter environment.

### 6 ACCIDENTAL RELEASE MEASURES

- Special precautions : Recover the cleaning water for later disposal.
- General precautions : Remove ignition sources.
- Personal precautions : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.
- Environmental precautions : Prevent entry to sewers and public waters.  
Notify authorities if product enters sewers or public waters.
- Clean up methods : Collect spills and put it into appropriated container.

### 7 HANDLING AND STORAGE

- General : No naked lights. No smoking. Store and handle as though always a serious potential fire/explosion and health hazard exists.
- Precautions in handling and storage : In use, may form flammable vapour-air mixture.
- Personal protection : Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.
- Technical protective measures : Proper grounding procedures to avoid static electricity should be followed. Both local exhaust and general room ventilation are usually required.
- Storage : Keep in fireproof place. Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.
- Storage - away from : Heat sources. Direct sunlight.
- Handling : Handle empty containers with care because residual vapours are flammable. Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.



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### 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection	
- Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection	: In case of repeated or prolonged contact wear gloves.
- Skin protection	: No special protection required where adequate ventilation is maintained.
- Eye protection	: Even though no specific eye irritation data is available, wear eye protection appropriate to conditions of use when handling this material.
- Ingestion	: When using, do not eat, drink or smoke.
Industrial hygiene	: Provide local exhaust or general room ventilation.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20 °C	: Liquid.
Colour	: Variable
Odour	: Characteristic.
Density (Kg/l)	: 1,694
Solubility in water	: Insoluble.
Flash point [°C]	:> 50

### 10 STABILITY AND REACTIVITY

Hazardous decomposition products	: May release flammable gases. When heated to decomposition, emits dangerous fumes.
Hazardous reactions	: Reacts with water. Alcohol. Amines.
Hazardous properties	: May form flammable/explosive vapour-air mixture.
Conditions to avoid	: Open flame. Overheating. Direct sunlight.

### 11 TOXICOLOGICAL INFORMATION

Toxicity information	: Irritating to respiratory system. Harmful by inhalation, in contact with skin and if swallowed.
Sensitization	: May cause sensitization by inhalation. May cause sensitization by skin contact.

### 12 ECOLOGICAL INFORMATION

Ecological effects information	: This product contains hazardous components for the environment. May cause long-term adverse effects in the aquatic environment.
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### 13 DISPOSAL CONSIDERATIONS

General	: Avoid release to the environment. Hazardous waste. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container at hazardous or special waste collection point.
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### 14 TRANSPORT INFORMATION

#### General information

Proper shipping name : UN1263 PAINT / PAINT RELATED MATERIAL, 3, III, (D/E)

UN No. : 1263

H.I. nr :30

#### Land transport

ADR/RID : Group : III  
Special provision : 640E  
Class : 3

- ADR Class :3

- ADR Packing group : III  
E

#### Labelling ADR



:3  
9E

#### Sea transport

- IMO-IMDG code : Class 3

- IMO Packing group : III

- EMS-Nr : F-E S-E

- IMDG-Marine pollution : YES

Air transport : ò

- ICAO/IATA : Packaging instructions cargo : 310  
Packaging instructions passenger: 309

- IATA - Class or division :3

- IATA Packing group : III

Personal precautions : The driver shall not attempt to deal with any fire of the load.

In case of spillage and/or leakage : Clean up even minor leaks or spills if possible without unnecessary risk.

Emergency action in case of accident : No naked lights. No smoking.  
Keep public away from danger area.  
NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

Additional information : None.

### 15 REGULATORY INFORMATION

Symbol(s) : Xn : Harmful  
N : Dangerous for the environment

R Phrase(s) : R20/21 : Harmful by inhalation and in contact with skin.  
R42/43 : May cause sensitization by inhalation and skin contact.  
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s) : S2 : Keep out of the reach of children.  
S13 : Keep away from food, drink and animal feedingstuffs.  
S23 : Do not breathe the gas, fumes, vapours, spray.  
S24 : Avoid contact with skin.  
S29/35 : Do not empty into drains ; dispose of this material and its container in a safe way.  
S29/56 : Do not empty into drains, dispose of this material and its container to



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### 15 REGULATORY INFORMATION (continued)

hazardous or special waste collection point.  
S36/37 : Wear suitable protective clothing and gloves.  
S45 : In case of accident or if you feel unwell, seek medical advice immediately ( show the label when possible).  
S51 : Use only in well-ventilated areas.  
S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.  
S63 : In case of accident by inhalation : remove casualty to fresh air and keep at rest.

Further Phrases : Contains : DIPHENYLMETHANE-4,4'-DIISOCYANATE, ISOMERES AND HOMOLOGUES - Aromatic Polyisocyanate Prepolymer - 4-ISOCYANATOSULPHONYLTOLUENE - DIPHENYLMETHANE-2,4'-DIISOCYANATE - 4,4'-METHYLENEDIPHENYL DIISOCYANATE. May produce an allergic reaction.

### 16 OTHER INFORMATION

List of relevant R phrases (heading 3) : R10 : Flammable.  
R11 : Highly flammable.  
R14 : Reacts violently with water.  
R20 : Harmful by inhalation.  
R20/21 : Harmful by inhalation and in contact with skin.  
R26 : Very toxic by inhalation.  
R36/37/38 : Irritating to eyes, respiratory system and skin.  
R37 : Irritating to respiratory system.  
R38 : Irritating to skin.  
R40 : Limited evidence of a carcinogenic effect.  
R42 : May cause sensitization by inhalation.  
R42/43 : May cause sensitization by inhalation and skin contact.  
R48/20 : Harmful : danger of serious damage to health by prolonged exposure through inhalation.  
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.  
R52/53 : Harmful 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 : Vapours may cause drowsiness and dizziness.

Further information : None.

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.

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