



SAFETY DATA SHEET

Version nr. : 2

Date : 5 / 11 / 2013

Supersedes :
21.03.2013

PU Tarfree MIO



3 : Flammable liquid.



Xn : Harmful

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

Type of product : Paint.
Identification of the product : 1K Finish
Trade name : PU Tarfree MIO
Use : Industrial.
Company identification : ZINGAMETALL bvba
Industriepark
Rozenstraat 4
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 inhalation.
May cause sensitization by skin contact.
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

Substance name	Contents	CAS No	EC No	Annex No	REACH nr.	Classification
Xylene	: Between 1 and 5 %	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)
HYDROCARBONS, C9 AROMATICS	: Between 10 and 15 %	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 10 and 15 %	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)



SAFETY DATA SHEET

Version nr. : 2

Date : 5 / 11 / 2013

Supersedes : 21.03.2013

PU Tarfree MIO

3 COMPOSITION / INFORMATION ON INGREDIENTS (continued)

Substance name	Contents	CAS No	EC No	Annex No	REACH nr.	Classification
TRIETHOXIMETHANE	: Between 1 and 5 %	122-51-0	204-550-4	----	01-2119438191-46	R10 Flam. Liq. 3 (H226)

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.
Seek medical attention if ill effect or irritation develops.
 - Eye contact : Rinse immediately with plenty of water.
Seek medical attention if ill effect or irritation develops.
 - Ingestion : Do not induce vomiting.
Rinse mouth.
Seek medical attention if ill effect develops.

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 diposal.
- 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 : Both local exhaust and general room ventilation are usually required.
Proper grounding procedures to avoid static electricity should be followed.



SAFETY DATA SHEET

Version nr. : 2

Date : 5 / 11 / 2013

Supersedes : 21.03.2013

PU Tarfree MIO

7 HANDLING AND STORAGE (continued)

- 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 : 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.
Handle empty containers with care because residual vapours are flammable.

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 : Wear suitable protective clothing.
 - Eye protection : Goggles.
 - 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 : Black.
- Odour : Characteristic.
- Density (Kg/l) : 1,56
- Solubility in water : Insoluble.
- Flash point [°C] :50

10 STABILITY AND REACTIVITY

- Hazardous decomposition products : May release flammable gases.
- 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.
- Sensitization : May cause sensitization by skin contact.
May cause sensitization by inhalation.

12 ECOLOGICAL INFORMATION

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



SAFETY DATA SHEET

Version nr. : 2

Date : 5 / 11 / 2013

Supersedes : 21.03.2013

PU Tarfree MIO

13 DISPOSAL CONSIDERATIONS

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

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 : Class : 3
Special provision : 640E
Group : III
- ADR Class :3
- ADR Packing group : III
E

Labelling ADR



:3
Sea transport
- IMO-IMDG code : Class 3
- IMO Packing group : III
- EMS-Nr : F-E S-E
- IMDG-Marine pollution : YES
Air transport
- 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
R Phrase(s) : R10 : Flammable.
R37 : Irritating to respiratory system.
R42/43 : May cause sensitization by inhalation and skin contact.
R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the



SAFETY DATA SHEET

Version nr. : 2

Date : 5 / 11 / 2013

Supersedes : 21.03.2013

PU Tarfree MIO

15 REGULATORY INFORMATION (continued)

S Phrase(s) : aquatic environment.
: S23 : Do not breathe the gas, fumes, vapours, spray.
S24 : Avoid contact with skin.
S35 : This material and its container must be disposed of in a safe way.
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.
S57 : Use appropriate container to avoid environmental contamination.

Further Phrases : Contains : DIPHENYLMETHANE-4,4'-DIISOCYANATE, ISOMERES AND HOMOLOGUES. May produce an allergic reaction.

16 OTHER INFORMATION

List of relevant R phrases (heading 3) : R10 : Flammable.
R20 : Harmful by inhalation.
R20/21 : Harmful by inhalation and in contact with skin.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R37 : Irritating to respiratory system.
R38 : Irritating to skin.
R42/43 : May cause sensitization by inhalation and skin contact.
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 : 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.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document