



## 1. Identification of the product and of the company

**Product name** PU Tarfree MIO (1c)  
**Code** 2  
**Supplier** ZINGAMETALL bvba  
**Address** Industriepark  
Rozenstraat 4  
9810 Eke – Belgium  
**Telephone** (32) 9 385.68.81  
**Fax** (32) 9 385.58.69  
**Tel. (emergency)** (32) 70 245.245 (Centre Anti-poison)

## 2. Information on ingredients

### Hazardous components

Name of the substance	Value(s)	n°CAS/.../EC-No	R-Sentence(s)
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.	10 - 25 %	64742-95-6/.../265-199-0	R 10 N ; R 51/53 Xn ; R 65 Xi ; R 37 R 67 R 66
DIPHENYLMETHANE-4,4'-DIISOCYANATE, ISOMERES AND HOMOLOGUES	10 - 25 %	9016-87-9	R 42/43 Xn ; R 20 Xi ; R 36/37/38
XYLENE	2,5 - 10 %	1330-20-7/.../215-535-7	R 10 Xn ; R 20/21 Xi ; R 38

## 3. Hazards identification

### Hazard designation

Flammable · May cause sensitisation by inhalation and skin contact · Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · Irritating to eyes, respiratory system and skin  
Classification : R 10 · R 42/43 · R 52/53 · Xi ; R 36/37/38

## 4. First aid measures

**General** In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. For further information refer to "specifications about toxicology".

**After inhalation** Take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. Unconsciousness: lateral position - call a physician.

**After skin contact** Immediately remove all contaminated clothing. Wash away with soap and water and rinse. Do NOT use solvents or thinners.

**After eye contact** Remove contact lenses, keep eyelids open. Flush with plenty of water (10 - 15 min.). Call a physician.

**After ingestion** First-aid measures Do not induce vomiting. Rinse mouth with cold water. Keep at rest.

## 5. Fire-fighting measures

**Suitable extinguishing media** Alcohol resistant foam, CO2, powders, water spray.  
**Unsuitable extinguishing media** Waterjet.  
**Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged**  
**Special protective equipment** In case of fire do not breathe fumes  
**Additional information** Appropriate breathing apparatus may be required.  
Cool endangered containers with water in case of fire. Do not allow the quenching water into the sewage system.



## 6. Accidental release measures

### **Personal precautions**

Keep away from ignition sources on account of the organic solvent content and air room well. Do not inhale vapours. Refer to protective measures listed in sections 7 and 8.

### **Environmental precautions**

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

### **Methods for cleaning up/collecting**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

## 7. Handling and storage

### **Information for safe handling**

Prevent the creation of inflammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the OEL (=Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid contact with skin and eyes. Do not inhale the vapour. Do not eat or drink during work - no smoking. Comply with the health and safety at work laws.

### **Information about protection against explosions and fires**

Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. No sparking tools should be used.

### **Requirements to be met by storerooms and containers**

Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### **Information about separation of incompatible products**

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

### **Further information about storage conditions**

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep away from ignition sources - No smoking.

## 8. Exposure controls/personal protection

### **Additional information about engineering measures**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and

good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

### **Components with critical values that require monitoring at the workplace (exposure limits)**

- SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. ; CAS-No. : 64742-95-6  
Specification: TRGS 900 - maximum limit in the atmosphere at the workplace ( B )  
Parameter: TGG 8 uur  
Value : 100 ppm  
Version date :
- TALC (FREE OF ASBESTOS) ; CAS-No. : 14807-96-6  
Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( B )  
Parameter : TGG 8 uur  
Value : 1 mg/m<sup>3</sup>  
Remarks : Respirabel  
Version date : 1/01/2001
- XYLENE ; CAS-No. : 1330-20-7  
Specification : TRGS 900 - maximum limit in the atmosphere at the workplace ( B )  
Parameter : TGG 8 uur  
Value : 210 mg/m<sup>3</sup> / 50 ppm  
Remarks : H  
Version date : 1/01/2000



**Personal protective equipment**  
**Respiratory protection**

If workplace limits are exceeded, a gas mask approved for this purpose must be worn. Fresh air masks are recommended or combination filters A2-P2 for works of short duration.

**Hand protection**  
**Eye protection**

Use protective gloves.  
Use tightly fitting safety glasses.

**9. Physical and chemical properties**

**Relevant safety data**

**Colour** Divers  
**Flash point:** > 50 °C  
**Density:** ( 20 °C ) 1,542 g/cm<sup>3</sup>  
**Solubility in water:** ( 20 °C ) not miscible %  
**Viscosity 20 °C Krebs Units** ( 20 °C ) ca. 108 KU  
**Odour:** Significant  
**VOC:** 281 g/l

**10. Stability and reactivity**

**Conditions to avoid**

Stable under recommended storage and handling conditions (See section 7).

**Materials to avoid**

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**Hazardous decomposition products**

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen

**11. Toxicological information**

There are no data available on the preparation itself. The product was classified in toxicological terms on the basis of the results of the calculation procedure outlined within General Directive on Preparations (1999/45/EC). Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible. Skin and eye contact: frequent and long lasting contact may cause irritation and skin inflammation. Eye contact: irritation.

**12. Ecological information**

Do not empty into waters or drains.

**13. Disposal considerations**

**Disposal**

Dispose in a safe manner in accordance with local/national regulations.

**14. Transport information**

**Land transport ADR/RID**

**Classification**

**Class :** 3  
**Substance number :** 1263

**Kemlercode :** 30  
**Classification-Code :** F1

Special provisions : 640E · LQ 7

**Proper shipping name** PAINT

**Hazardous components** SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. · XYLENE

**Packaging**

**Packaging group :** III  
**Label :** 3



**Maritime transport IMDG/GGVSea**

**Classification**

**IMDG-Code :** 3  
**UN number :** 1263  
LQ 5 I

**EmS number :** F-E / S-E

**Marine Poll. :** P

**Proper shipping name**

PAINT

**Hazardous components**

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. · XYLENE

**Packaging**

**Packaging group :** III  
**Label :** 3

**Air transport ICAO-TI and IATA-DGR**

**Classification**

**Class :** 3  
**UN number :** 1263

**Proper shipping name**

PAINT

**Hazardous components**

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. · XYLENE

**Packaging**

**Packaging group :** III  
**Label:** 3

**15. Regulatory information**

**Classification according to EEC directives**

**Danger symbol and danger designation**

Xn ; Harmful

**Hazard-determining components of labelling**

DIPHENYLMETHANE-4,4'-DIISOCYANATE, ISOMERES AND HOMOLOGUES ; CAS-No. : 9016-87-9

**R-phrases** 10 Flammable  
42/43 May cause sensitisation by inhalation and skin contact  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
36/37/38 Irritating to eyes, respiratory system and skin

**S-phrases** 57 Use appropriate container to avoid environmental contamination.  
35 This material and its container must be disposed of in a safe way  
51 Use only in well-ventilated areas.  
36/37 Wear suitable protective clothing and gloves  
63 In case of accident by inhalation: remove casualty to fresh air and keep at rest  
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**Special designation for certain preparations**

91 Contains isocyanates. See information provided by the manufacturer

**16. Other information**

The details in this material safety data sheet satisfy national and EU legislation. We have no knowledge or control over the user's working conditions however. The user is responsible for the observance of all required statutory provisions.

**Further information**

**R-Phrases of components** 10 Flammable  
20 Harmful by inhalation  
20/21 Harmful by inhalation and in contact with skin  
36/37/38 Irritating to eyes, respiratory system and skin  
37 Irritating to respiratory system  
38 Irritating to skin  
42/43 May cause sensitisation by inhalation and skin contact  
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
65 Harmful: may cause lung damage if swallowed  
66 Repeated exposures may cause skin dryness or cracking  
67 Vapours may cause drowsiness and dizziness



Recommended uses and restrictions: See Technical data sheet for detailed information.

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) ( OJ L 396, 30.12.2006).

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