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1907/2006 Version 1.2
Revision Date 1.11.2010
Print Date 1.11.2010

SAFETY DATA SHEET

according to Regulation (EU) No. 1120000169

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

Product information

Trade name : **PU-23**
Use : Binder for coating materials or adhesives
Company: SIA «WMT Baltic»
 166b A. Deglava str., Riga, LV-1021
 VAT Reg. Nr. LV40003400148
 Tel.: 67 800 830, 67 800 833
 Fax: 67 800 831, 67 800 832
 Bank: AS «SWEDBANK»
 Nor. kots: LV15 HABA 0551 0073 03071
 S.W.I.F.T: HABALV22
 e-mail: office@wmt.lv
 http://www.wmt.lv

2. HAZARDS IDENTIFICATION

NON-HAZARDOUS according to the criteria of NOHSC NON-DANGEROUS GOODS
Not classified as a hazardous product as per Council Directive 2006/121/EC or 1999/45/EC.

3. COMPOSITION/INFORMATION ON INGREDIENTS

polyester polyol

Hazardous components

Aliphatic polyol
Concentration [wt.-%]: ca. 19,5
Classification: Xi R36
Classification/labelling according to Directive 2006/121 Annex VI

4. FIRST AID MEASURES

General advice: Remove contaminated clothing.

If inhaled: If there is difficulty in breathing, medical attention should be obtained.

In case of skin contact: In case of skin contact wash affected areas thoroughly with soap and plenty of water. Consult a doctor in the event of a skin reaction.

In case of eye contact: Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.

If swallowed: DO NOT induce the patient to vomit, medical advice is required.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide (CO₂), Foam, extinguishing powder, in cases of larger fires, water spray should be used.

Unsuitable extinguishing media: High volume water jet

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes. Firemen must wear self-contained breathing apparatus. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on protective equipment (see chapter 8). Ensure adequate ventilation/exhaust extraction. Keep unauthorized persons away.

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Take up with absorbent for chemicals or, if necessary with dry sand and store in closed containers.

Additional advice: For further disposal measures see chapter 13.

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7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Precautions should generally be taken against electrostatic charges according to the equipment used and the way the product is handled and packaged.

Storage: Keep container dry and tightly closed in a cool and well ventilated place. Further information on the storage conditions which must be observed to preserve quality can be found in our product information sheet

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

No information on Exposure Limit Values necessary according to EC directive 2006/121/EG

Hand protection:

Protective gloves are recommended.

Conditionally suitable materials for protective gloves; EN 374-3:

Nitrile rubber - NBR (≥ 0.35 mm)

Breakthrough time not tested; dispose of immediately after contamination.

Eye protection:

Wear eye/face protection.

Skin and body protection:

Wear suitable protective clothing.

Hygiene measures:

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at the end of workday. Keep working clothes separately. Change contaminated or soaked clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	nearly colourless	
Form:	liquid	
Odour:	almost odourless	
Pour point:	ca. -16 °C	ISO 3016
Boiling point/boiling range:	ca. 242 °C at 1.013 hPa	
Density:	ca. 1,05 g/cm ³ at 20 °C	DIN EN ISO2811
Vapour pressure:	< 110 kPa at 50 °C	
Viscosity, dynamic:	ca. 1.900 mPa.s at 23 °C	DIN EN ISO 3219/A.3
Miscibility with water:	immiscible at 15 °C	
pH:	not applicable	
Flash point:	ca. 131 °C	DIN EN 22719
Ignition temperature:	ca. 345 °C	DIN 51794
Further information:	The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.	

10. STABILITY AND REACTIVITY

Hazardous reactions: No hazardous reactions observed.

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly.

11. TOXICOLOGICAL INFORMATION

Toxicological studies on the product are not yet available.

For the purposes of risk assessment data for a comparable solvent-free.

Acute toxicity LD50 oral, rat: >2000 mg/kg

Primary skin irritation: slight irritant

Primary mucosae irritation: slight irritant

Salmonella/microsome test (Ames test): Not mutagenic in Ames Test.

Please find below the toxicological data available to us for the components.

Acute toxicity, oral:

Aliphatic polyol

LD50 rat: 3.730 mg/kg

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Acute toxicity, dermal:

Aliphatic polyol
LD50 rabbit: > 5.000 mg/kg

Acute toxicity, inhalation:

Aliphatic polyol
LC50 rat: 3,3 mg/l, 6 h

Primary skin irritation:

Aliphatic polyol
rabbit
Result: slight irritant

Primary mucosae irritation:

Aliphatic polyol
rabbit
Result: severe irritant

Sensitisation:

Aliphatic polyol
Result: In the guinea-pig the product did not show a sensitising effect.

12. ECOLOGICAL INFORMATION

Ecotoxicological studies at the preparation are not available.

Do not allow to escape into waterways, wastewater or soil.

Ecotoxicological testing of a comparable solvent-free product yielded the following results:

The product is not easily biodegradable.

On the basis of the ecotoxicological data, the product can be classified as non-hazardous to fish and daphnia.

Please find below the ecotoxicological data available to us for the components.

Toxicity to fish:

Aliphatic polyol
LC50 760 mg/l
Test species: Leuciscus idus (Golden orfe) Duration of test: 48 h
Method: DIN 38412

Acute toxicity for daphnia:

Aliphatic polyol
EC50 > 100 mg/l
Test species: Daphnia magna (Water flea) Duration of test: 48 h

Acute toxicity for algae:

Aliphatic polyol
EC50 > 100 mg/l
Tested on: Selenastrum capricornutum (green algae) Duration of test: 72 h

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

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14. TRANSPORT INFORMATION

Not Dangerous good according to ADG Code (6th edition)

ADR/RID - -

ADNR - -

IATA - -

IMDG - -

Other information : Not dangerous cargo.

Keep dry.

Keep separated from foodstuffs.

15. REGULATORY INFORMATION

Not a scheduled poison under SUSDP 20

No labeling necessary according to EC Directives 2006/121/EC or 1999/45/EC and their valid adaptations and derived national regulations.

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R36 Irritating to eyes.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.