

FREEWORLD

AUTOMOTIVE COATINGS

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MATERIAL SAFETY DATA SHEET

Name : Fast Hardener Code : PTK 203 Date Issued : 2008/05/30



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name : Fast Hardener Code : PTK 203 Date Issued : 2008/05/30
 CAS no. : Not applicable EC no. : Not applicable
 UN No. : 1263 EAC : 127 Hazchem : 3[Y] Kemler : 30 SAPMA : 1-H-E
 In emergency contact: +27 (0) 41 4011400

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

EC Classification : - T R61,10,20/21,65,42,66,67 S01/02,36/37,13,23,43A,45,51

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

SOLVENT NAP(PETRO) HEAVY AROM (ARO2) <28%
 [CAS #: 064742-94-5] [E.C. #: 649-424-00-3]
 EEC Labels : Xn OEL 25ppm SUG

XYLENE <14%
 [CAS #: 001330-20-7] [E.C. #: 601-022-00-9]
 EEC Labels : Xn OEL 435mg OEL 100ppm STOEL 650.mg STOEL 150.ppm RL+ S

2-METHOXYPROPYL ACETATE <4.1%
 [CAS #: 070657-70-4] [E.C. #: 607-251-00-0]
 EEC Labels : T

TOLUENE DI-ISOCYANATE MIXED ISOMERS. <0.2%
 [CAS #: 026471-62-5] [E.C. #: 615-006-00-4]
 EEC Labels : T+ STOEL 0.070mg CL S
 (CL/RL = Controlled/Recommended level 'S' = Skin annotation)

SECTION 3. HAZARDS IDENTIFICATION

SAPMA Health Rating : 1-SERIOUS - Major injury likely unless prompt action taken and treatment given
 Inhalation : HARMFUL. Contains ISOCYANATE. Sensitiser with accumulative effects.
 Skin : HARMFUL BY CONTACT.
 Eyes : Highly Irritating and risk of irreversible damage.
 Ingestion : Harmful. May cause lung damage if swallowed.
 MAY INDUCE EFFECTS ON REPRODUCTION/FERTILITY CAT 1. (EC/CHIP2)
 May have short term environmental effects. Contain, monitor & remove.
 Inhalation Sensitiser

SECTION 4. FIRST AID MEASURES

Inhalation : Move to fresh air. In case of any discomfort seek medical attention immediately.
 Skin : Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention
 Eyes : ACT FAST! Rinse immediately with plenty of water. Refer immediately to Doctor.
 Ingestion : DO NOT INDUCE VOMITING. Get immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Flammable with toxic fumes.
 Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!
 Foam. CO2. Dry powder. Fog to cool and control. Do NOT use water jets.
 Cool containers in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13

Contain & collect. Use an inert - NOT sawdust. Keep out of drains & sewers.

SECTION 7. HANDLING AND STORAGE

Store only in designated places.
 Store between 5 and 35 °C in a dry, well – ventilated place away from sources of heat, ignition and direct sunlight
 No open flames. No smoking.
 Keep containers cool. Avoid free fall of liquid - use earthing.
 Subject to local bylaws

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAPMA Rating : 1-H-E PPE : Respirator and Eye protection

Inhalation : Use respiratory protection. Handle with extreme care. Absorb any spillage at once.

Skin : Avoid direct contact. Use barrier cream and impervious gloves.

Eyes : Use goggles. Avoid direct contact.

Ingestion : Observe the rules of hygiene. Wash before eating or drinking.

OEL Type : Mixture- Mixture - See Section 2 Skin annotation

Inhalation Sensitiser

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Chemical class : PAINT PRODUCT Description : Clear liquid Smell : Pungent SG : 0.920 - 0.950 Viscosity : 10 - 12 sec D4 @20°C

Boil. pt (°C) : >35 FlashPoint (°C) : 23 Water : -- Oil : --

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions Could generate static - USE EARTHING No reaction with fire-fighting water

SECTION 11. TOXICOLOGICAL INFORMATION

MAY INDUCE EFFECTS ON REPRODUCTION/FERTILITY CAT 1. (EC/CHIP2)

LD50 Oral: t.b.e.

SECTION 12. ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove.

SECTION 13. DISPOSAL INFORMATION

Hazardous. Use reputable waste disposal contractors. Destroy used containers.

SECTION 14. TRANSPORT INFORMATION

UN No. : 1263 : PAINT PRODUCT Packing group : III IMO Class : 3.3 EAC : 127 Hazchem : 3[Y] Kemler : 30

**SECTION 15. REGULATORY INFORMATION**

EC no. : Not applicable

EC Classification : - T R61,10,20/21,65,42,66,67 S01/02,36/37,13,23,43A,45,51

R61 - May cause harm to the unborn child.

R10 - Flammable

R20/21 - Harmful by inhalation and contact with the skin

R65 - Harmful: May cause lung damage if swallowed.

R42 - May cause sensitisation by inhalation

R66 - Repeated exposure may cause skin drying or cracking

R67 - Vapours may cause drowsiness and dizziness.

S1/2 - Keep locked up and out of the reach of children. (Retail sales items)

S36/37 - Wear suitable protective clothing and gloves

S13 - Keep away from food, drink and animal feeding stuffs

S23 - Do not breathe the gas/fumes/vapour/spray (SEE TEXT) (appropriate wording to be specified by the manufacturer)

S43A - In case of fire, use water fog, foam or powder - Do not use water jets!

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

S51 - Use only in well ventilated areas

**SECTION 16. OTHER INFORMATION**

Take precautionary measures against static.

Possibility of systemic effects - reproductive toxicity potential

Contains isocyanate - a potential sensitiser.

Ensure precautions are taken.

In case of any discomfort always seek medical advice

This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996)

OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)

SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991)

All information is given in good faith but without guarantee in respect of accuracy.

No responsibility is accepted for errors or omissions or the consequences thereof.

(Date of issue : 2008/05/30 Date of analysis : 2008/05/30)