

MATERIAL SAFETY DATA SHEET

Name : **TUBBY HARDENER** Code : TUB 2 Date Issued : 22-Mar-01 Page 1 Of 2.



Harmful



Environment.



SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Name : TUBBY COATING HARDENER Code : TUB 2 Date Issued : 22-Mar-01
NOTE:- THIS IS PART OF A TWO PACK SYSTEM SEE MSDS FOR OTHER COMPONENT.
CAS no. : n/a EC no. : n/a
UN No. : 1263 Hazchem : 3[Y] SAPMA : 2-H-E
In emergency contact : _ Mr A. P. Schmidt Tel +27 41 3978200 or +27 82 656 4466.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

EPOXY CURING AGENT

EC Classification : Xn N R10,20/21/22,37,43,67,52/53 S01/02,24/25,36/37/39,37/39,45

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

2-BUTOXYETHANOL >12%

[CAS #: 111-76-2] [E.C. #: 603-014-00-0]

EEC Labels : XN OEL 120mg OEL 25ppm CL S

XYLENE >12%

[CAS #: 1330-20-7] [E.C. #: 601-022-00-9]

EEC Labels : XN OEL 435mg OEL 100ppm STOEL 650.mg STOEL 150.ppm RL+ S

TRIETHYLENE TETRAMINE (TETA) >5%

[CAS #: 112-24-3] [E.C. #: 612-059-00-5]

EEC Labels : C

BUTYL ALCOHOL <5%

[CAS #: 71-36-3] [E.C. #: 603-004-00-6]

EEC Labels : XN OEL 150mg OEL 50ppm STOEL 150mg STOEL 50ppm RL S

(CL/RL = Controlled/Recommended level 'S' = Skin annotation)

SECTION 3. HAZARDS IDENTIFICATION

SAPMA Health Rating : 2-MODERATE - Temporary or minor injury possible even if treatment given

Inhalation : HARMFUL. Excessive exposure to this material must be avoided.

Skin : HARMFUL BY CONTACT. Potential sensitiser.

Eyes : Irritating.

Ingestion : Harmful if swallowed.

May cause undesirable effects to aquatic organisms.

Skin Sensitiser

SECTION 4. FIRST AID MEASURES

Inhalation : Move to fresh air. In case of discomfort seek medical attention.

Skin : Use hand cleaner/soap & water. Remove contaminated clothing. If any discomfort get medical attention

Eyes : Rinse immediately with plenty of water. Seek medical advice if symptoms persist.

Ingestion : Wash mouth with plenty of water. Do NOT induce vomiting. Seek medical advice.

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 waste separate for disposal.

SECTION 7. HANDLING AND STORAGE

Store separately from any reactive substances - oxidisers in particular.

No open flames. No smoking.

Keep containers cool. Avoid free fall of liquid - use earthing.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAPMA Rating : 2-H-E PPE : Respirator and Eye protection
Inhalation : In case of insufficient ventilation, use suitable respiratory protection.
Skin : Avoid direct contact. Use barrier cream and impervious gloves.
Eyes : Use face shield & goggles or full face respirator/hood. Avoid direct contact.
Ingestion : Observe the rules of hygiene. Wash before eating, drinking or smoking.
OEL Type : Mix- Mixture - See Section 2 Skin
Skin Sensitiser



SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical class : Paint Product Description : Viscous liquid Smell : Pungent
Visc. : 70s F4 Boil. pt : 120° sg. 0.92
FlashPoint : 27°
Water : insoluble

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

SKIN SENSITISER.
NOT ESTABLISHED

SECTION 12. ECOLOGICAL INFORMATION

May cause undesirable effects to aquatic organisms.

SECTION 13. DISPOSAL INFORMATION

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

SECTION 14. TRANSPORT INFORMATION

UN no : 1263 Packing group : II IMO Class : 3.3 IMO Subsid : 8
Hazchem : 3[Y]



SECTION 15. REGULATORY INFORMATION

EC no. : n/a
EC Classification : Xn N R10,20/21/22,37,43,67,52/53 S01/02,24/25,36/37/39,37/39,45
R10 - Flammable
R20/21/22 - Harmful by inhalation, in contact with the skin and if swallowed
R37 - Irritating to the respiratory system
R43 - May cause sensitisation by skin contact
R67 - Vapours may cause drowsiness and dizziness.
R52/53 - Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.
S1/2 - Keep locked up and out of the reach of children. (Retail sales items)
S24/25 - Avoid contact with skin and eyes
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection
S37/39 - Wear suitable gloves and eye/face protection
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)



Harmful



Environment.

SECTION 16. OTHER INFORMATION

THIS SUBSTANCE IS 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.
These recommendations were extracted from the EcoChem database (Les Fisher - 031-2660523)