

***** SAFETY DATA SHEET *******1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

PRODUCT NAME	STYCAST 1266 PART B
RECOMMENDED USE	Encapsulants
SUPPLIER	ICI Belgium nv (Emerson & Cuming) Nijverheidsstraat 7 B 2260 Westerlo Belgium
	EMERGENCY TELEPHONE: BIG, Technische Schoolstraat 43 A, B-2440 Geel +32 (0)14 58 45 45 (Fax: +32 (0)14 58 35 16)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>EC NUMBER</u>	<u>CONCENTRATION %</u>	<u>EC SYMBOL</u> <u>RISK PHRASES</u>
3,3'-oxybis(ethyleneoxy)bis(propylamine)	224-207-2	100	R52/53 R34 C

For full text of risk phrases, please refer to Section 16.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	CORROSIVE
	DANGEROUS FOR THE ENVIRONMENT

EYE	May cause permanent damage if eye is not immediately irrigated.
SKIN CONTACT	Corrosive, causes permanent skin damage.
INHALATION	Irritating and/or toxic vapours may be released at elevated temperatures.
INGESTION	No hazard in normal industrial use.
ENVIRONMENTAL	Harmful to aquatic organisms.

4. FIRST-AID MEASURES

EYE	Obtain immediate medical attention. Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes.
SKIN CONTACT	Obtain immediate medical attention. Wash skin with soap and water.
INHALATION	Remove to fresh air. Administer oxygen to aid breathing. Get medical attention.
INGESTION	If individual is conscious, give water to dilute stomach contents. Get prompt medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	CO ₂ ; Dry Chemical; Foam
SPECIAL FIREFIGHTING PROCEDURES	Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
HAZARDOUS COMBUSTION PRODUCTS	Thermal decomposition products are hazardous and/or toxic.
LOWER EXPLOSION LIMIT (%)	Not applicable
UPPER EXPLOSION LIMIT (%)	Not applicable
AUTOFLAMMABILITY	260 °C
FLASH POINT	139 °C

6. ACCIDENTAL RELEASE MEASURES

SPELL AND LEAK PROCEDURES	Adsorb spillages onto sand, earth or any suitable adsorbent material. Sweep up and shovel into waste drums. Wash the spillage area with water. Do not allow to enter drains, sewers or watercourses.
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For safety and environmental precautions, please review entire Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE	18 - 25 °C
HANDLING/STORAGE	Store in cool, dry place. Keep in a well ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE CONTROLS

VENTILATION REQUIREMENTS	Local exhaust.
EYE PROTECTION REQUIREMENTS	Safety glasses, goggles or face shield to protect against splashing. Personal eye protection should conform to EN 166.
GLOVE REQUIREMENTS	The use of chemically resistant gloves is recommended. Gloves should conform to EN 374.
CLOTHING REQUIREMENTS	Employee must wear appropriate protective clothing and equipment to prevent any possibility of skin contact with this substance.
CHANGE/REMOVAL OF CLOTHING	Remove contaminated clothing and launder before reuse.
WASH REQUIREMENTS	Wash before eating, drinking, or using toilet facilities.
RESPIRATORY REQUIREMENTS	Local exhaust.

ENVIRONMENTAL EXPOSURE CONTROLS

This material should not be spilled, dumped, or flushed into sewers or public waterways.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	Liquid
COLOUR	yellow
ODOUR	Amine odour.
pH AS IS	Estimated to be > 10
BOILING POINT	146 - 148 °C
MELTING/FREEZING POINT	-32 °C
SOLUBILITY IN WATER	Soluble
RELATIVE DENSITY	1.01
VAPOUR PRESSURE (mmHg)	< 0.01 mm Hg
AUTOFLAMMABILITY	260 °C
FLASH POINT	139 °C

10. STABILITY AND REACTIVITY

STABILITY	Stable
CONDITIONS TO AVOID	Elevated temperatures.
MATERIALS TO AVOID	Strong acids
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide, unknown hydrocarbons.

11. TOXICOLOGICAL INFORMATION

EYE	May cause permanent damage if eye is not immediately irrigated.
SKIN	Corrosive, causes permanent skin damage.
INHALATION	Irritating and/or toxic vapours may be released at elevated temperatures.
INGESTION	No hazard in normal industrial use.
EFFECTS OF CHRONIC EXPOSURE	No information available.

12. ECOLOGICAL INFORMATION

POTENTIAL EFFECT ON ENVIRONMENT	Harmful to aquatic organisms.
AQUATIC TOXICITY	None Established
PERSISTENCE AND DEGRADABILITY	Not readily biodegradable.
POTENTIAL TO BIOACCUMULATE	Unknown.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS	Waste disposal should be in accordance with existing Community, National and local regulations.
EMPTY CONTAINER WARNINGS	Empty containers may contain product residue; follow SDS and label warnings even after they have been emptied.

14. TRANSPORT INFORMATION (See also section 9)

IATA CLASSIFICATION	
PROPER SHIPPING NAME	AMINES, LIQUID, CORROSIVE N.O.S.
TECHNICAL NAME	(4,7,10-Trioxatridecane-1,13-diamine)
HAZARD CLASS	8
U.N. NUMBER	UN2735
PACKAGING GROUP	II

IMDG CLASSIFICATION	
PROPER SHIPPING NAME	AMINES, LIQUID, CORROSIVE N.O.S.
TECHNICAL NAME	(4,7,10-Trioxatridecane-1,13-diamine)
HAZARD CLASS	8
U.N. NUMBER	UN2735
PACKAGING GROUP	II

ADR/RID	
PROPER SHIPPING NAME	AMINES, LIQUID, CORROSIVE, N.O.S.
TECHNICAL NAME	(4,7,10-Trioxatridecane-1,13-diamine)
HAZARD CLASS	8
U.N. NUMBER	UN2735
PACKAGING GROUP	II
ADR ITEM NUMBER	53

15. REGULATORY INFORMATION

EC INDICATION OF DANGER	CORROSIVE
EC SYMBOL	



RISK PHRASES	R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R34 - Causes burns.
SAFETY PHRASES	S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. S61 - Avoid release to the environment. Refer to special instructions/Safety data sheet.
CONTAINS	3,3'-oxybis(ethyleneoxy)bis(propylamine)
EINECS	All components of this product are listed in EINECS or ELINCS, or are otherwise exempt from EU notification requirements.

16. OTHER INFORMATION

REVISION	18-12-2001
REPLACES VERSION DATED	13/10/2004
ORIGINAL DOCUMENT DATED	21/06/2002
FOR REGULATORY	Linda Desiron
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FULL TEXT OF RISK PHRASES FOR INGREDIENTS INDICATED IN SECTION 2:

3,3'-oxybis(ethyleneoxy)bis(propylamine)	R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R34 - Causes burns.
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Directives 1999/45/EC and 91/155/EEC have been considered when compiling this SDS; the information is provided for health and safety assessment by an industrial user. Reference should be made to any relevant local or national health, safety, and environmental legislation. This information does not constitute indication of suitability for specific uses.