



***** SAFETY DATA SHEET *****

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

PRODUCT NAME	STYCAST 2850 FT
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>
Epoxy resin (number average molecular weight <= 700)	500-033-5	20 - 35	R51/53 R43 R36/38 N XI
Epoxy resin		1 - 5	R51/53 R43 R36/38 N XI
Butyl 2,3-epoxypropyl ether	219-376-4	1 - 5	R68 R52/53 R43 R40 R37 R20/22 R10 XN XI

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

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	SENSITIZER HARMFUL MUTAGENIC CATEGORY 3 -- possibly mutagenic to man CARCINOGENIC CATEGORY 3 -- possibly carcinogenic to man IRRITANT
--------------------	---

DANGEROUS FOR THE ENVIRONMENT

EYE	Will cause eye irritation.
SKIN CONTACT	Irritating to the skin. Repeated and/or prolonged contact may cause skin sensitisation.
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	Immediate medical attention is not required. Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes. If symptoms develop, obtain medical attention.
SKIN CONTACT	Immediate medical attention is not required. Wash skin with soap and water. If symptoms develop, obtain medical attention.
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	CO2; Dry Chemical; Foam; Water Fog; Do not use direct water stream on burning liquid.
SPECIAL FIREFIGHTING PROCEDURES	Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
FIRE & EXPLOSION HAZARDS	Combustion will evolve toxic and irritant vapours.
HAZARDOUS COMBUSTION PRODUCTS	Thermal decomposition products are hazardous and/or toxic.
LOWER EXPLOSION LIMIT (%)	Not applicable
UPPER EXPLOSION LIMIT (%)	Not applicable
AUTOFLAMMABILITY	Not available
FLASH POINT	> 68 °C

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES	Do not allow to enter drains, sewers or watercourses. Adsorb spillages onto sand, earth or any suitable adsorbent material. Sweep up and shovel into waste drums. Wash the spillage area with water.
---------------------------	--

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 at room temperature. Keep containers properly sealed when not in use.
SPECIAL SENSITIVITY	Keep away from heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	EXPOSURE LIMITS
-----------	-----------------

OCCUPATIONAL EXPOSURE CONTROLS

VENTILATION REQUIREMENTS	Local exhaust. Vent curing oven to outdoors.
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.
WASH REQUIREMENTS	Wash before eating, drinking, or using toilet facilities.
RESPIRATORY REQUIREMENTS	Local exhaust.

ENVIRONMENTAL EXPOSURE CONTROLS

Do not allow to enter drains, sewers or watercourses.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	Liquid
COLOUR	black
ODOUR	Slight
ODOUR THRESHOLD	Not available
pH AS IS	Not applicable
OXIDIZING PROPERTIES	Not applicable
BOILING POINT	Not determined.
MELTING/FREEZING POINT	Not applicable
PARTITION COEFFICIENT (n-octanol/water)	Not applicable
RELATIVE DENSITY	2.4
BULK DENSITY	Not available
EVAPORATION RATE	Not applicable
VAPOUR PRESSURE (mmHg)	Not applicable
VAPOUR DENSITY (air=1)	Not applicable
VOLATILES	None
VOLATILE ORGANIC COMPOUNDS	Not available
AUTOFLAMMABILITY	Not available
FLASH POINT	> 68 °C

10. STABILITY AND REACTIVITY

STABILITY	Stable
CONDITIONS TO AVOID	Elevated temperatures.
MATERIALS TO AVOID	Amines., Acids., Bases.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon monoxide, carbon dioxide, unknown hydrocarbons.

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC CATEGORY 3 -- possibly carcinogenic to man
 MUTAGENIC CATEGORY 3 -- possibly mutagenic to man

EYE	Will cause eye irritation.
SKIN	Irritating to the skin. Repeated and/or prolonged contact may cause skin sensitisation.
INHALATION	Irritating and/or toxic vapours may be released at elevated temperatures.
INGESTION	No hazard in normal industrial use.
SKIN SENSITIZATION	Sensitizer.

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	Not classified as dangerous.
IMDG CLASSIFICATION	Not classified as dangerous.
ADR/RID	Not classified as dangerous.

15. REGULATORY INFORMATION

EC INDICATION OF DANGER EC SYMBOL	HARMFUL 
RISK PHRASES	R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R36/38 - Irritating to eyes and skin. R68 - Possible risk of irreversible effects. R40 - Limited evidence of a carcinogenic effect. R43 - May cause sensitisation by skin contact.
SAFETY PHRASES	S61 - Avoid release to the environment. Refer to special instructions/Safety data sheet. S24 - Avoid contact with skin. 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.
CONTAINS	Epoxy resin (number average molecular weight <= 700) Epoxy resin Butyl 2,3-epoxypropyl ether
SPECIAL PHRASES	Contains epoxy constituents. See information supplied by the manufacturer.
EINECS	All components of this product are listed in EINECS or ELINCS, or are otherwise exempt from EU notification requirements.

16. OTHER INFORMATION

REPLACES VERSION DATED	06/08/2003
ORIGINAL DOCUMENT DATED	10/04/2002
FOR REGULATORY INFORMATION, CONTACT:	Linda Desiron ICI Belgium nv (Emerson & Cuming) Nijverheidsstraat 7 B 2260 Westerlo Belgium
	Tel: +32 (0)14 57 56 11
	Fax: +32 (0)14 58 55 30

FULL TEXT OF RISK PHRASES FOR INGREDIENTS INDICATED IN SECTION 2:

Epoxy resin (number average molecular weight <= 700)	R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R43 - May cause sensitisation by skin contact. R36/38 - Irritating to eyes and skin.
Epoxy resin	R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R43 - May cause sensitisation by skin contact. R36/38 - Irritating to eyes and skin.
Butyl 2,3-epoxypropyl ether	R68 - Possible risk of irreversible effects. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R43 - May cause sensitisation by skin contact. R40 - Limited evidence of a carcinogenic effect. R37 - Irritating to respiratory system. R20/22 - Harmful by inhalation and if swallowed. R10 - Flammable.

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.