



SAFETY DATA SHEET according to 1907/2006/CE

POLYFLEX-HM

Reference : 0256.0.DBF
 Date : 28.02.2011
 Revision : 0064.7.DBF

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product name : SX POLYFLEX-HM
 Intended use : polyurethane sealant for sealing and bonding
 Name and full address of company : SIROFLEX LIMITED Dodworth Business Park, Dodworth, Barnsley, S75 3SP
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 Further information available from : info@siroflex.co.uk www.siroflex.co.uk

2. HAZARDS IDENTIFICATION

Hazards for health : PA
 Hazard for environment : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. COMPOSITION / INFORMATIONS ON INGREDIENTS

Dangerous ingredients	CAS Number	% - Weight	Symbols	R Phrases
Solvent naphtha light aromatic	64742-95-6	2.5-10%	Xn ; N	10-37-51/53-65-66-67
calcium oxide	1305-78-8	1-2.5%	Xi	37/38-41
Isophorone di-isocyanate	4098-71-9	<0.5%	T ; N	23-36/37/38 -42/43-51/53
Dibutyl tin dilaurate	77-58-7	<0.5%	T ; N	22-36 -48/25-50/53-60-61-68

4. FIRST AID MEASURES

General : In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person
Eye contact : irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
Ingestion : If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
Inhalation : Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice
Skin contact : Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners

5. FIRE FIGHTING MEASURES

recommended extinguishing media : water spray , CO₂ powders, foam
Not to be used : waterjet
Particularities : Use an appropriate breathing apparatus. Cool closed containers exposed to fire with water

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : Do not allow to enter drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations
Clean up procedure : Collect spillage with non combustible absorbent material (e.g. sand, vermiculite ...) and place in container. One possible decontaminant comprises : Water/Ethanol or IPA/Ammonia solution (45/50/5 by volume)
Personal precautions : Wear an appropriate equipment as described in § 8.

7. HANDLING AND STORAGE

Handling : Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used Avoid skin and eye contact and the inhalation of vapours. Comply with the health and safety at work laws.
Storage : Store in a dry, well ventilated area, between +5 and +25°C and place away from sources of heat and direct sunlight. Keep away from oxidising agent, from strongly acid materials as well as amines, alcohol and water. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits :

Names	VME (8h/j)		VLE (15min)	
	ppm	mg/m ³	ppm	mg/m ³
Solvent naphtha light aromatic	19	100		
Isophorone di-isocyanate	0.01	0.09	0.02	0.18

Respiratory protection	: Do not inhale vapours. Provide adequate ventilation with a good general extraction.
Eye and skin protection	: Avoid skin/eye contact. Use safety eyewear ,polyvinyl gloves and closed protective clothing
Protection during working	: Smoking, eating, drinking are prohibited in application area. Wash the hands after working. Do not touch eyes with dirty hands.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Paste	Flash point	: >61°C
Colour	: Brown	Solubility in water	: No ; reaction
Odour	: PA	Solubility in organic solvents	: Partly
Density	: 1.20 g/ml	VOC contents	: 4 - 6 % weight

10. STABILITY AND REACTIVITY

The preparation is stable under recommended storage and handling conditions (see § 7).

Hazardous decomposition products : During polymerisation : isobutyraldehyde
In case of fire : isocyanates , carbon monoxide and dioxide, smoke, nitrogen oxides , hydrogen cyanide , sulfur dioxide , hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Information product Based on the properties of the isocyanate components, this preparation may cause acute irritation and sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability. Repeated or prolonged contact with the preparation may cause non-allergic contact dermatitis and absorption through the skin. The paste splashed in the eyes may cause irritation and reversible damage

Isophorone di-isocyanate

Acute oral LD50 rat (mg/kg)	4825
Acute dermal LD50 rabbit (mg/kg)	>7000
Acute inhalation LC50 rat (mg/l/4h)	0.67

12. ECOLOGICAL INFORMATION

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive (1999/45/EC) and is dangerous for the environment (see section 2 & 15). The product should not be allowed to enter drains or water courses.

13. DISPOSAL INFORMATION

In accordance with federal, national and local legislation.

Disposal code : 080409

14. TRANSPORT INFORMATION

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and IACO/IATA for air transport. Exempted of transport classification.

15. REGULATORY INFORMATION

In accordance with 67/548/CE et 99/45/CE :

Danger classification : PA

Contain : Isophorone di-isocyanate. May produce an allergic reaction

Phrase R : 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Phrase S : PA

Contains isocyanates – See information supplied by the manufacturer. This information is supplied in the present safety data sheet.

16. OTHERS INFORMATIONS

Professional table : n°62 ; 84

Text of R phrases in §2

: 10 : Flammable
 22: Harmful if swallowed.
 23: Toxic by inhalation.
 36/37/38: Irritating to eyes, respiratory system and skin.
 41: Risk of serious damage to eyes.
 42/43: May cause sensitization by inhalation and skin contact.
 48/25: Toxic: danger of serious damage to health by prolonged exposure if swallowed.
 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 60: May impair fertility.
 61: May cause harm to the unborn child.
 65: Harmful: may cause lung damage if swallowed.
 66 : Repeated exposure may cause skin dryness or cracking
 67 : Vapours may cause drowsiness and dizziness
 68: Possible risks of irreversible effects.

Modified sections in this revision

:PA

The information of this SDS is based on the present state of our knowledge and on current EU and national laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.

I = Unknown**PA = Not concerned****SF = Secret of process**