

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name **Stormoprene Part B**

Product number SP250 PartB, SP5000 PartB

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Adhesive.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier

Stormsure Ltd,

Hall Farm,

Lode Rd, Bottisham,

Cambridge, CB25 9DN

T: +44 (0) 33 33 44 15 00

E: info@stormsure.com

1.4. Emergency telephone number

Emergency telephone +44 (0) 33 33 44 15 00

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification

Physical hazards Health hazards

Not Classified

Environmental hazards

Skin Irrit. 2 - H315 Eye Irrit. 2 -

H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351 STOT RE 2 - H373

Classification (67/548/EEC or 1999/45/EC)
R42/43.

Xn;R48/20. Carc. Cat. 3;R40.

Human health

Product has a defatting effect on skin. Contains non-volatile isocyanate. Heating may generate vapours which irritate the respiratory system. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Supplemental label information
allergic reaction.

EUH204 Contains isocyanates. May produce an

Contains

DICHLOROMETHANE, DIPHENYLMETHANE-4,4'-DI-ISOCYANATE,
TRIS(P-ISOCYANATOPHENYL)THIOPHOSPHATE

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DICHLOROMETHANE 60-100%	
CAS number: 75-09-2 EC number: 200-838-9	
REACH registration number:	01- 2119480404-41-0000
Classification Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315	Carc. Cat. 3;R40
Eye Irrit. 2 - H319	
Carc. 2 - H351	
STOT SE 3 - H336	

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE 10-30%	
CAS number: 101-68-8	
EC number: 202-966-0	
REACH registration number: 01- 2119457014-47	

Classification

Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 Skin Sens. 1 - H317 Carc. 2 - H351

STOT SE 3 - H335 STOT RE 2 - H373

Classification (67/548/EEC or 1999/45/EC)

Carc. Cat. 3;R40 Xn;R20,R48/20 Xi;R36/37/38 R42/43

ETHYL ACETATE 1-5%

CAS number: 141-78-6

EC number: 205-500-4

REACH registration number: 01- 2119475103-46-0017

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 2 - H225 F;R11 Xi;R36 R66 R67 Eye Irrit. 2 - H319

STOT SE 3 - H336

TRIS(P-ISOCYANATOPHENYL)THIOPHOSPHATE <1%

CAS number: 4151-51-3

REACH registration number: 01- 2119948848-16-0000

Classification Classification (67/548/EEC or 1999/45/EC)

Resp. Sens. 1 - H334 R42.

SECTION 4: First aid measures**4.1. Description of first aid measures**

General information	Remove affected person from source of contamination.
Inhalation	Move affected person to fresh air at once.
Ingestion	DO NOT induce vomiting. Get medical attention immediately
Skin contact.	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical

attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

4.2. Most important symptoms and effects, both acute and delayed

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation Vapours may cause drowsiness and dizziness. Irritation of nose, throat and airway.

Ingestion May cause chemical burns in mouth and throat.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact Severe irritation, burning and tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is non-combustible. Toxic gases or vapours. No unusual fire or explosion hazards noted.

Hazardous combustion products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

5.3. Advice for firefighters

Protective actions during firefighting Containers close to fire should be removed or cooled with water. Do not allow water to contact any leaked material.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent

material.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Vapours may accumulate on the floor and in low-lying areas. Avoid inhalation of vapours and spray/mists.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Store in closed original container at temperatures between 5°C and 25°C. Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

DICHLOROMETHANE

Long-term exposure limit (8-hour TWA): WEL 100 ppm(Sk) 350 mg/m³(Sk) Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 1060 mg/m³(Sk)

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Long-term exposure limit (8-hour TWA): WEL 0.02 mg/m³(Sen) Short-term exposure limit (15-minute): WEL 0.07 mg/m³(Sen)

ETHYLACETATE

Long-term exposure limit (8-hour TWA): WEL 200 ppm Short-term exposure limit (15-minute): WEL 400 ppm WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits DICHLOROMETHANE (CAS: 75-09-2)

Ingredient comments DNEL WEL = Workplace Exposure Limits

PNEC

DNEL

Consumer - Dermal; Short term systemic effects: 353 mg/m³ Workers - Dermal; Short term systemic effects: 706 mg/m³

- Fresh water; 0.54 mg/l
- Sediment (Freshwater); 4.47 mg/kg - Intermittent release; 0.27 mg/l
- Sediment (Marinewater); 1.61 mg/kg - Marine water; 0.194 mg/l
- STP; 26 mg/l
- Soil; 0.583 mg/kg

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE (CAS: 101-68-8)

Workers - Inhalation; Short term systemic effects: 0.1 mg/m³ Workers - Dermal; Short term local effects: 28.7 mg/cm²Workers - Inhalation; Short term local effects: 0.1 mg/m³

Workers - Inhalation; Long term systemic effects: 0.05 mg/m³ Workers - Inhalation; Long term local effects: 0.05 mg/m³ Consumer - Dermal; Short term systemic effects: 25 mg/kg bw/day Workers - Dermal; Short term systemic effects: 50 mg/kg bw/day Consumer - Oral; Short term systemic effects: 20 mg/kg bw/day Consumer - Dermal; Short term local effects: 17.2 mg/cm² Consumer - Inhalation; Short term local effects: 0.05 mg/m³ Consumer - Inhalation; Long term systemic effects: 0.025 mg/m³ Consumer - Inhalation; Long term local effects: 0.025 mg/m³ Consumer - Inhalation; Short term systemic effects: 0.05 mg/m³

- Marine water; 0.1 mg/l - STP; 1 mg/l
- Fresh water; 1 mg/l
- Soil; 1 mg/kg

DNEL

ETHYLACETATE (CAS: 141-78-6)

Workers - Inhalation; Short term systemic effects: 1468 mg/m³ Workers - Inhalation; Short term local effects: 1468 mg/m³ Consumer - Inhalation; Short term systemic effects: 734 mg/m³ Consumer - Inhalation; Short term local effects: 374 mg/m³ Workers - Inhalation; Long term local effects: 734 mg/m³

Workers - Dermal; Long term systemic effects: 63 mg/kg bw/day Workers - Inhalation; Long term systemic effects: 734 mg/m³ Consumer - Dermal; Long term systemic effects: 37 mg/kg bw/day Consumer - Inhalation; Long term systemic effects: 367 mg/m³ Consumer - Oral; Long term systemic effects: 4.5 mg/kg bw/day Consumer - Inhalation; Long term local effects: 367 mg/m³

PNEC

- Fresh water; 0.26 mg/l
- Marine water; 0.026 mg/l
- Intermittent release; 1.65 mg/l
- Sediment (Freshwater); 1.25 mg/kg
- Sediment (Marinewater); 0.125 mg/kg - Soil; 0.24 mg/kg
- STP; 650 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Eye/face protection Hand protection

Other skin and body protection



Hygiene measures Respiratory protection Environmental exposure controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

The following protection should be worn: Chemical splash goggles or face shield.

It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. For exposure up to 8 hours, wear gloves made of the following material: Viton rubber (fluoro rubber).

Wear suitable protective clothing as protection against splashing or contamination. Wear apron or protective clothing in case of contact.

Use engineering controls to reduce air contamination to permissible exposure level. Wash hands after handling.

If ventilation is inadequate, suitable respiratory protection must be worn. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.

Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Colour Odour

Coloured liquid. Amber. Characteristic.

Odour threshold Not available.

pH Not available.

Melting point Not available.

Initial boiling point and range 39-40C°C

Evaporation rate Evaporation factor Flammability (solid, gas) Other flammability

Vapour pressure Not available.

Vapour density Not available.

Relative density 1.26

Bulk density Not available.

Solubility(ies) Insoluble in water.

Partition coefficient Not available.

Decomposition Not available.

Temperature Viscosity	Not available.
Explosive properties	Not available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not available.

Comments

9.2. Other information

Other information

Information given is applicable to the product as supplied.

Refractive index	Not available.
Particle size	Not available.
Molecular weight	Not available.
Volatility	Not available.
Saturation concentration	Not available.
Critical temperature	Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
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10.3. Possibility of hazardous reactions	Not applicable. Not relevant.
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Possibility of hazardous reactions

10.4. Conditions to avoid	Conditions to avoid	Avoid Freezing
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10.5. Incompatible materials	Materials to avoid	Avoid freezing.
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Flammable/combustible materials. Acids - oxidising. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity - inhalation

ATE inhalation (gases ppm) ATE inhalation (vapours mg/l)

ATE inhalation (dusts/mists mg/l)

Inhalation	Harmful by inhalation.
Ingestion	Harmful if swallowed.
Skin contact	May be harmful in contact with skin..
Eye contact	Irritating

Toxicological information on ingredients.

DICHLOROMETHANE

Acute toxicity -	oral
Acute toxicity oral	(LD50 2,000.0 mg/kg)
Species	Rat

Acute toxicity - inhalation

Acute toxicity inhalation	86.0 (LC50 vapours mg/l)
Species	Rat
ATE inhalation	(vapours 86.0 mg/l)
Acute toxicity - oral	
Acute toxicity oral	(LD50 10,000.0 mg/kg)

25,000.0 61.11 8.33

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Species Rat

ATE oral (mg/kg) 10000.0

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg) 9400.0

Species Rabbit

ATE dermal (mg/kg)

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 dust/mist mg/l) 0.49

Species Rat

ATE inhalation (dusts/mists mg/l) 0.49

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg) 4100.0

Species Mouse

ATE oral (mg/kg)

Acute toxicity - dermal 4100.0

Acute toxicity dermal (LD50 mg/kg) 20000.0

Species Rabbit

ATE dermal (mg/kg)

Acute toxicity - inhalation 20000.0

Acute toxicity inhalation 30.0 (LC50 vapours mg/l)

Species Rat

ATE inhalation (vapours mg/l) 30.0

SECTION 12: Ecological Information

12.1. Toxicity

Ecological information on ingredients.

DICHLOROMETHANE

Acute toxicity - fish	IC50, 72 hours: 550 mg/l, Algae
Acute toxicity - aquatic invertebrates promelas (Fat-head Minnow)	LC50, 96 hours, 96 hours: > 93 mg/l, Pimephales
Chronic toxicity - aquatic invertebrates	EC50, 48 hours: 27 mg/l, Daphnia magna

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Acute toxicity - fish	LC50, 96 hours: >1000 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC50, 24 hours: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	NOEC, 21 days: >10 mg/l, Daphnia magna

ETHYL ACETATE

Acute toxicity - fish	EC50, 48 hours: 610 mg/l, Fish
	LC50, 96 hours: 230 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC50, 48 hours: 11.5 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC50, 48 hours: 5600 mg/l, Algae

12.2. Persistence and degradability

12.3. Bioaccumulative potential

Partition coefficient Not available.

Ecological information on ingredients.

Bioaccumulative potential

Bioaccumulative potential

The product is not bioaccumulating.

12.4. Mobility in soil

Ecological information on ingredients.

DICHLOROMETHANE

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

log Pow: 4.51BCF: 30,
Not available.**ETHYL ACETATE**

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

DICHLOROMETHANE

ETHYL ACETATE

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Mobility

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB This product does not contain any substances classified as PBT or vPvB. assessment

Ecological information on ingredients.

Results of PBT and vPvB assessment

Results of PBT and vPvB assessment**DICHLOROMETHANE**

This product does not contain any substances classified as PBT or vPvB.

ETHYLACETATE

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not applicable.

Ecological information on ingredients.

Other adverse effects

Other adverse effects

SECTION 13: Disposal considerations

Not applicable.

Not known.

DICHLOROMETHANE**ETHYLACETATE****13.1. Waste treatment methods General information****Disposal methods**

Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses.

SECTION 14: Transport information**14.1. UN number UN No. (ADR/RID)**

UN No. (IMDG)

UN No. (ICAO)

UN No. (ADN)

14.2. UN proper shipping name

Proper shipping name (ADR/RID) 2810

Proper shipping name (IMDG) 2810

Proper shipping name (ICAO) 2810

Proper shipping name (ADN) 2810

TOXIC LIQUID, ORGANIC, N.O.S. TOXIC LIQUID, ORGANIC, N.O.S.

TOXIC LIQUID, ORGANIC, N.O.S. TOXIC LIQUID, ORGANIC, N.O.S.

14.3. Transport hazard class(es)

ADR/RID class 6.1

ADR/RID classification code ADR/RID label

IMDG class

ICAO class/division

ADN class Transport labels

14.4. Packing group ADR/RID packing group

IMDG packing group

ADN packing group

ICAO packing group

14.5. Environmental hazards

T1 6.1 6.1 6.1 6.1

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS

ADR transport category

Emergency Action Code

Hazard Identification Number (ADR/RID)

F-A, S-A 2

2X

60

Tunnel restriction code

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

(E)

National regulations EU legislation

Guidance

Water hazard classification

The Control of Substances Hazardous to Health Regulations 2
(as amended).



o. 2677) (as

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18
December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of
Chemicals (REACH) (as amended).

Approved Classification and Labelling Guide (Sixth edition) L131. WGK 2

Issued by Compliance

Revision date Revision

SDS status

Risk phrases in full

15/09/2015 21 Approved.

Hazard statements in full

Store Between Contains SVHC

R11 Highly flammable.

R20 Harmful by inhalation.

R36 Irritating to eyes.

R36/37/38 Irritating to eyes, respiratory system and skin.

R40 Limited evidence of a carcinogenic effect.

R42 May cause sensitisation by inhalation.

R42/43 May cause sensitisation by inhalation and skin contact.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour. H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

Store Between 5°C - 25°C