

LangStik SF Canister

Product Ref: (DsC31-1214)
Issue No: 02-1019

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

Product name LangStik SF Canister.
Use of substance/mixture PC1: Adhesives, sealants.

2. HAZARDS IDENTIFICATIONS

2.1. Classification of the substance or mixture

Classification under CHIP Xn: R20; Xi: R36/37/38; Xn:40; Sens.: R42/43; Xn: R48/20
Classification under CLP Skin Sens. 1: H317; Carc. 2: H351; Eye Irrit. 2: H319; Resp. Sens. 1: H334; Skin Irrit. 2: H315; STOT RE 2: H373; STOT RE 2: H371: STOT SE 3: H335; Acute Tox. 4: H332; -; EUH204
Most important adverse effects Harmful by inhalation. Irritating to eyes, respiratory system and skin. Limited evidence of a carcinogenic effect. May cause sensitisation by inhalation and skin contact. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

2.2. Labels elements

Label elements under CLP:

Signal word Danger
Hazard statements H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure

Hazard pictograms



Label elements under CHIP

Hazard symbols Harmful



Risk phrases

R20: Harmful by inhalation.
R36/37/38: Irritating to eyes, respiratory system and skin.
R40: Limited evidence of a carcinogenic effect.
R42/43: May cause sensitisation by inhalation and skin contact.
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

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Safety phrases	S23: Do not breathe vapour. S36/37: Wear suitable protective clothing and gloves. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S63: In case of accident by inhalation, remove casualty to fresh air and keep at rest.
Precautionary phrases	Contains isocyanates. See information supplied by the manufacturer.

2.3. Other hazards

PBT This product is not identified as a PBT substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Mixtures

Hazardous ingredients:

METHLENEDEDIPHENYL DIISOCYANATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
247-714-0	26447-40-5	Xn: R20; Xi: R36/37/38; Xn: R40; Sens.: R42/43; Xn: R48/20	Carc. 2: H351; Acute Tox. 4:H332; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317; STOT SE 2: H371; STOT RE 2: H373	30-50%

4. FIRST AID MEASURES

4.1. Description of first aid measures

Skin contact	Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact	Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion	Wash out mouth with water. Consult a doctor.
Inhalation	Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact	There may be mild irritation at the site of contact.
Eye contact	There may be irritation and redness. The eyes may water profusely.
Ingestion	There may be soreness and redness of the mouth and throat.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects	Immediate effects can be expected after short-term exposure.

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

Immediate / Special treatment Eye bathing equipment should be available on the premises.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Extinguishing Media Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections Refer to section 8 of SDS.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling requirements Avoid direct contact with the substances. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions Store in cool, well-ventilated area. Keep container tightly closed.
Suitable packaging Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s) No data available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Hazardous ingredients:

METHYLENEDIPHENYL DIISOCYANTE

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	0.02mg/m ³	0.07mg/m ³	-	-

8.2. DNEL / PNEC Values

DNEL / PNEC No data available.

8.3. Exposure controls

Engineering measures Ensure there is sufficient ventilation of the area.
Respiratory protection If exposure levels are likely to be exceeded, use a full face mask fitted with an organic AXP3 filter for short term low level exposures. For long term or high levels of exposures, compressed airline breathing apparatus should be used.
Hand protection Protective gloves.
Eye protection Safety glasses. Ensure eye bath is to hand.
Skin protection Protective clothing.
Environmental No special requirement.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

State Liquid
Colour Blue
Odour Barely perceptible odour
Evaporation rate Slow
Oxidising Non-oxidising (by EC criteria)
Solubility in water Insoluble
Viscosity Non- viscous

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9.2. Other information

Other information No data available.

10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid Heat

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. Decomop. Products In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Hazardous ingredients:

METHYLENEDIPHENYL DIISOCYANATE

IHL	RAT	LD50	>5000	mg/l
ORL	RAT	LC50	0.49	mg/kg
SKN	RAB	LD50	>5000	mg/kg

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Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH	Hazardous: calculated
Irritation	OPT INH DRM	Hazardous: calculated
Sensitisation	INH DRM	Hazardous: calculated
Repeated dose toxicity	INH	Hazardous: calculated

Symptoms / routes of exposure

Skin contact	There may be irritation and redness at the site of contact.
Eye contact	There may be irritation and redness. The eyes may water profusely.
Ingestion	There may be irritation and redness of the mouth and throat.
Inhalation	There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects	Immediate effects can be expected after short-term exposure.
Other information	Not applicable.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity values No data available

12.2. Persistence and degradability

Persistence and degradability Biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential No bioaccumulation potential.

12.4. Mobility in soil

Mobility Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification This product is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects Negligible ecotoxicity.

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13. DISPOSAL CONSIDERATION

13.1. Waste treatment methods

Disposal operations	Transfer to a suitable container and arrange for collection by specialised disposal company.
Disposal of packaging	Arrange for collection by specialised disposal company.
NB	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

Transport class:

14.1. UN Number

UN No. (ADR/RID) 3501
UN No. (IMDG) 3501
UN No. (ICAO) 3501
UN No. (ADN) 3501

14.2. UN proper shipping name

Proper shipping name
(ADR/RID)
CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (CONTAINS 1,1-Difluoroethane)
Proper shipping name (IMDG) CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (CONTAINS 1,1-Difluoroethane)
Proper shipping name (ICAO) CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (CONTAINS 1,1-Difluoroethane)
Proper shipping name (ADN) CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (CONTAINS 1,1-Difluoroethane)

14.3. Transport hazard class(es)

ADR/RID class 2.1
ADR/RID classification code 8F
ADR/RID label 2.1
IMDG class 2.1
ICAO class/division 2.1
ADN class

15. REGULATORY INFORMATION

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

Specification regulation	Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.
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15.2. Chemical Safety Assessment

Chemical safety assessment A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. OTHER INFORMATION

Other information This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

Phrases used in s.2 and 3:

* indicates text in the SDS which has changed since the last revision.

EUH204: Contains isocyanates. May produce an allergic reaction.
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.
H351: Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
R20: Harmful by inhalation.
R36/37/38: Irritating to eyes, respiratory system and skin.
R40: Limited evidence of a carcinogenic effect.
R42/43: May cause sensitisation by inhalation and skin contact.
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Legal disclaimer The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

This document is only a guide.

Langley Waterproofing Systems Ltd reserves the right to change the composition and fixing recommendations of products as a result of the evolution of knowledge and technology.