MATERIAL SAFETY DATA SHEET

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

1.1. Product identifier

Product Name: Sport-Fix Spray Tack Carpet Adhesive

UFI: FPKN-1074-M00J-774X

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

Use of substance / mixture: **PC1** Adhesive.

1.3. Details of the supplier of the safety data sheet

Company name: EnviroStik Holdings (UK) Ltd,
Unit 7 & 8, Opal Way,
Stone Business Park,
Stone,
Staffordshire,
ST15 0SS
Tel: (01889) 271751
Email: salessupport@envirostik.com

1.4. Emergency telephone number

Emergency tel: (01889) 271751

No nanoforms are used.

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards 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

Environmental hazards Not Classified

Human health May cause sensitisation by inhalation.

Physicochemical Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers.

2.2. Label elements

Pictogram

Signal word Danger

Hazard statements H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H336 may cause drowsiness
H351 Suspected of causing cancer.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P260 Do not breathe vapour/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national regulations.

Supplemental label information

EUH204 Contains isocyanates. May produce an allergic reaction.
EUH209 Can become highly flammable in use.
RCH004a Persons already sensitised to diisocyanates may develop allergic reactions when
using this product.
RCH004b Persons suffering from asthma, eczema or skin problems should avoid contact,
including dermal contact, with this product.
RCH004c 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.
As from 24 August 2023, adequate training is required before industrial or professional use

Contains DICHLOROMETHANE, DIPHENYLMETHANE-4,4'-DI-ISOCYANATE, ETHYL ACETATE, TOSYL ISOCYANATE

Supplementary precautionary statements

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing vapour/spray.
P264 Wash contaminated skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P272 Contaminated work clothing should not be allowed out of the workplace.
P284 [In case of inadequate ventilation] wear respiratory protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell.
P312 Call a POISON CENTRE/doctor if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Dichloromethane			**10-30%**
CAS number: 75-09-2	EC number: 200-838-9	REACH registration number: 01-2119480404-41-0007	
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 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			
Ethyl acetate			**10-30%**
CAS number: 141-78-6	EC number: 205-500-4	REACH registration number: 01-2119475103-46-0017	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336			
1,1,1, Trimethylolpropane			**<1%**
CAS number: 77-99-6	EC number: 201-074-9	REACH registration number: 01-2119486799-10-0059	
Classification Repr. 2 - H361			

TOSYL ISOCYANATE		<1%
CAS number: 4083-64-1	EC number: 223-810-8	REACH registration number: 01-2119980050-47-0001
Classification Acute Tox. 3 - H331 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Resp. Sens. 1 - H334 STOT SE 3 - H335		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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. Get medical attention if any discomfort continues.

Ingestion: DO NOT induce vomiting. Get medical attention immediately.

Skin Contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

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.

Protection of first aiders: First aid personnel should wear appropriate protective equipment during any rescue.

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: Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure.

Ingestion: May cause discomfort if swallowed

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.

Specific treatments: Treat symptomatically. Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting 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: Irritating gases or vapours.

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 fire-fighters

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 chemical protective suit. 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 SDS.

6.2. Environmental precautions

Environmental Precautions: Contain the spillage using bunding. Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Clean up Procedures: Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections: Wear protective clothing as described in section 8 of this SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions: Avoid inhalation of vapours and spray/mists. Avoid contact with skin and eyes. Do not use in confined spaces without adequate ventilation and/or respirator. Spraying is permitted only in closed systems, spray cabinets or spray boxes with adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities.

Storage precautions: 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 350 mg/m3
Short-term exposure limit (15-minute): WEL 1060 mg/m3
Sk

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

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

ETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 200 mg/m3
Short-term exposure limit (15-minute): WEL 400 mg/m3

TOSYL ISOCYANATE

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

Ingredient comments WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin

DICHLOROMETHANE (CAS: 75-09-2)

Ingredient comments WEL = Workplace Exposure Limits

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

PNEC - 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)

Ingredient comments WEL = Workplace Exposure Limits

DNEL Workers - Inhalation; Short term systemic effects: 0.1 mg/m3
Workers - Dermal; Short term local effects: 28.7 mg/cm2
Workers - 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
Workers – Dermal; Short term systematic effects: 50 mg/kg bw/day
Consumer – Dermal; Short term systematic effects: 25 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

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

ETHYL ACETATE (CAS: 141-78-6)

Ingredient comments WEL = Workplace Exposure Limits

DNEL 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

2,2'DIMORPHOLINYLDIETHYL ETHER (CAS: 6425-39-4)

DNEL Workers - Inhalation; Long term systemic effects: 7.28 mg/m3
Workers - Dermal; Long term systemic effects: 1 mg/kg bw/day
Consumer - Inhalation; Long term systemic effects: 1.8 mg/m3
Consumer - Dermal; Long term systemic effects: 0.5 mg/kg bw/day
Consumer - Oral; Long term systemic effects: 0.5 mg/kg bw/day

PNEC - Fresh water; 0.1 mg/l
- marine water; 0.01 mg/l
- Intermittent release; 1 mg/l

- Sediment (Freshwater); 8.2 mg/kg
- Sediment (Marinewater); 0.82 mg/kg
- STP; 100 mg/l
- Soil; 1.58 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls:

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist.

Eye/face protection: Wear chemical splash goggles.

Hand protection:

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: Neoprene.

Other skin and body protection:

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

Hygiene measures:
Use engineering controls to reduce air contamination to permissible exposure level. Wash hands after handling. When using do not eat, drink or smoke.

Respiratory protection:

If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with an organic AXP3 filter for short term low level exposures. For long term or high level exposures, compressed airline breathing apparatus should be used.

Environmental exposure controls:

Keep container tightly sealed when not in use.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not available
pH:	Not available
Melting Point C:	Not available
Initial Boiling Point/Range C:	Estimated value. 76-78 C
Flash Point C:	Not relevant
Evaporation rate:	Not available
Evaporation factor:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	Not available
Other flammability:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative Density:	1.20 @ 20C
Bulk Density:	Not available
Solubility(ies):	Not available
Partition coefficient:	Not available.
Auto-ignition temperature:	Estimated value. 605C
Decomposition Temperature:	Not available.
Viscosity:	Kinematic viscosity > 20.5 mm2/s.
Explosive under the influence of a flame:	Not considered to be explosive.
Oxidising properties:	Not available.
Comments:	Information given is applicable to the product as supplied.

9.2. Other information

Other information:	No information required.
Refractive index:	Not available.
Particle size:	Not available.
Molecular weight:	Not available.
Volatility:	Not available.
Saturation concentration:	Not available.
Critical temperature:	Not available.
Volatile organic compound:	No information available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: The product will harden into a solid mass in contact with water and moisture.

10.2. Chemical stability

Chemical stability: Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Hazardous reactions: Not applicable. May polymerise.

10.4. Conditions to avoid

Conditions to avoid: Avoid contact with water.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

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

Section 11: Toxicological information

11.1 Information on toxicological effects

Toxicological effects: No information available.

Other health effects: There is no evidence that the product can cause cancer.

Acute toxicity – oral

ATE oral (mg/kg) 7,487.21

Acute toxicity - inhalation

ATE inhalation (gases ppm): 449,103.9
ATE inhalation (dusts/mists mg/l): 8.42

Skin corrosion/irritation - Animal data: Irritating

Serious eye damage/irritation: Moderately irritating.

Respiratory sensitisation: Sensitising

Skin sensitisation: Not determined.

Carcinogenicity: Suspected carcinogen based on limited evidence.

Target organ for carcinogenicity: No specific target organs known.

Reproductive toxicity
Reproductive toxicity – fertility: Not available
Reproductive toxicity – development: This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity (STOT) - repeated exposure:
Morphological changes that are potentially reversible but provide clear evidence of marked organ dysfunction.

Aspiration hazard:
Not anticipated to present an aspiration hazard, based on chemical structure.

General information: No specific health hazards known.

Inhalation: Irritating to respiratory system. May cause sensitisation by inhalation.

Ingestion: May cause stomach pain or vomiting.

Skin contact: Irritating to skin. May cause sensitisation by skin contact.

Eye contact: Irritation of eyes and mucous membranes.

Acute and chronic health hazards: May cause sensitisation by skin contact. The product contains small quantities of isocyanate. May cause respiratory allergy. May cause respiratory system irritation. May cause respiratory system irritation. Frequent inhalation of vapours may cause respiratory allergy.

Route of entry: Inhalation Skin and/or eye contact

Medical symptoms: Irritation of eyes and mucous membranes. Coughing, chest tightness, feeling of chest pressure.

Medical considerations: Chronic respiratory and obstructive airway diseases.

Toxicological information on ingredients.

DICHLOROMETHANE

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

ATE oral (mg/kg) 2,000.0

Acute toxicity - dermal
Acute toxicity dermal (LD50 mg/kg): 2000.0
Species Rat

Acute toxicity - inhalation
Acute toxicity inhalation (LC50 vapours mg/l): 86.0
Species: Rat

ATE inhalation (vapours mg/l): 86.0

Skin corrosion/irritation Irritating to skin. REACH dossier information.

Serious eye damage/irritation Causes eye irritation.

Respiratory sensitisation Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Positive
Genotoxicity - in vivo Negative

Carcinogenicity
IARC carcinogenicity IARC Group 2B Possibly carcinogenic to humans.

Reproductive toxicity

Reproductive toxicity - fertility No evidence of reproductive toxicity in animal studies.

Reproductive toxicity - development No evidence of reproductive toxicity in animal studies.

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg): 10,000.0
Species: Rat

ATE oral (mg/kg) 10,000.0

Acute toxicity - dermal
Acute toxicity dermal (LD50 mg/kg): 9,4000.0
Species Rabbit

ATE dermal (mg/kg) 9,400.0

Acute toxicity - inhalation
Acute toxicity inhalation (LC50 dust/mist mg/l): 1.5
Species: Rat

ATE inhalation (dusts/mists mg/l) 1.5

Carcinogenicity IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

ETHYL ACETATE

Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg): 5,620.0
Species: Rat

ATE oral (mg/kg): 5,620.0

Acute toxicity - dermal
Acute toxicity dermal (LD50 mg/kg): 20,000.0
Species: Rabbit

ATE dermal (mg/kg): 20,000.0

Acute toxicity - inhalation
Acute toxicity inhalation (LC50 vapours mg/l): 30.0
Species: Rat

ATE inhalation (vapours mg/l): 30.0

Inhalation Drowsiness.
Ingestion Harmful if swallowed.
Skin contact Causes skin irritation.
Eye contact Causes serious eye irritation.

2,2'DIMORPHOLINYLDIETHYL ETHER

Acute toxicity – oral

Acute toxicity oral (LD50 mg/kg): 2,035.0
Species: Rat
Notes (oral LD50) No information available

ATE oral (mg/kg) 2,035.0

Acute toxicity – dermal

Acute toxicity dermal (LD50 mg/kg): 3,038.0
Species: Rabbit

Notes (dermal LD50) No information available

Acute toxicity - inhalation
Notes (inhalation LC50) No information available

Skin corrosion/irritation

Skin corrosion/irritation : No information available

Serious eye damage/irritation

Serious eye damage/irritation: No information available

Respiratory sensitisation

Respiratory sensitisation: No information available

Skin sensitisation

Skin sensitisation: No information available

Carcinogenicity
IARC carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Inhalation: May be harmful if inhaled. Spray/mists may cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin contact: May be absorbed through the skin. May be harmful in contact with skin. May cause skin irritation.

Eye contact: May cause eye irritation.

TOSYL ISOCYANATE

Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg): 2,234.0
Species: Rat

Acute toxicity - inhalation
Acute toxicity inhalation (LC50 gases ppm): 640.0
Species: Rat

ATE inhalation (gases ppm): 640.0

Section 12: Ecological information

Ecotoxicity: The product is not expected to be hazardous to the environment.

12.1. Toxicity

Acute toxicity - fish LC50, 96 hours, 96 hours: > 1000 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates EC50, 48 hours: >500 mg/l, Daphnia magna
Acute toxicity - aquatic plants. EC50, 72 hours, 72 hours: ~ 1640 mg/l, Scenedesmus subspicatus

Ecological information on ingredients

DICHLOROMETHANE

Acute toxicity - fish LC50, 96 hours, 96 hours: > 93 mg/l, Pimephales promelas (Fat-head Minnow)
LC50, 48 hours: 97 mg/l, Fundulus heteroclitus

Acute toxicity - aquatic invertebrates EC50, 48 hours: 27 mg/l, Daphnia magna
LC50, 48 hours: 109 mg/l, Palaemonetes pugio

Acute toxicity - aquatic plants NOEC, 192 hours: 550 mg/l, Microcystis aeruginosa - Algae, blue, cyanobacteria

Acute toxicity - microorganisms EC50, 0.67 hours: 2590 mg/l, Bacteria

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, 28 days: 83 mg/l, Pimephales promelas (Fat-head Minnow)

DIPHENYLMETHANE-4,4'-DI-ISOCYANATE

Acute aquatic toxicity
Acute toxicity - fish LC50, 96 hours: >1000 mg/l, Marinewater fish

Acute toxicity - aquatic invertebrates EC50, 24 hours: >1000 mg/l, Daphnia magna

Chronic aquatic toxicity
Chronic toxicity - aquatic invertebrates NOEC, 21 days: >10 mg/l, Daphnia magna

ETHYL ACETATE

Acute toxicity - fish EC50, 48 hours: 610 mg/l, Marinewater fish
LC50, 96 hours: 230 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC50, 48 hours: 11.5 mg/l, Daphnia magna
Acute toxicity - aquatic plants EC50, 48 hours: 5600 mg/l Algae

2,2'DIMORPHOLINYLDIETHYL ETHER

Acute aquatic toxicity
Acute toxicity - fish LC50, 96 hours: 2150 mg/l,

Acute toxicity - aquatic invertebrates EC50, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC50, 72 hours: > 100 mg/l, Pseudokirchneriella subcapitata

Acute toxicity – microorganisms EC50, 3 hours: >1000 mg/l, Bacteria

12.2. Persistence and degradability

Persistence and degradability: The product is not readily biodegradable.

Stability (hydrolysis): Reacts with water.

Biological oxygen demand: < 10 g O2/g substance

12.3. Bioaccumulative potential

Bioaccumulative potential: he product does not contain any substances expected to be bioaccumulating.

Partition coefficient: Not available.

Ecological information on ingredients.

DICHLOROMETHANE

Bioaccumulative potential: The product is not bioaccumulating.

ETHYL ACETATE

Bioaccumulative potential: BCF: 30,

Partition coefficient: Not available.

12.4. Mobility in soil

Mobility: The product is non-volatile.

Ecological information on ingredients.

DICHLOROMETHANE

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

ETHYL ACETATE

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

12.5. Results of PBT and vPvB assessment

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

Ecological information on ingredients.

DICHLOROMETHANE

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

ETHYL ACETATE

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

12.6. Other adverse effects

Other adverse effects: None known.

Ecological information on ingredients.

DICHLOROMETHANE

Other adverse effects: None known.

ETHYL ACETATE

Other adverse effects: None known.

Section 13: Disposal considerations

13.1. Waste treatment methods

General information: 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

Disposal methods: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Section 14: Transport information

14.1. UN number

UN number: UN2810

14.2. UN proper shipping name

Shipping name: TOXIC LIQUID, ORGANIC, N.O.S.

14.3. Transport hazard class(es)

Transport class: 6.1

ADR/RID classification code: T1

Transport labels:

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous / Marine pollutant: No

14.6. Special precautions for user:

EmS: F-A, S-A

ADR transport category: 2

Emergency Action Code: 2X

Hazard Identification Number (ADR/RID): 60

Tunnel code: E

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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Section 15: Regulatory information

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

National regulations: Health and Safety at Work etc. Act 1974 (as amended).
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

EU legislation: Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work.
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).

15.2. Chemical Safety Assessment

Chemical safety assessment: No chemical safety assessment has been carried out.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

Section 16: Other information

Hazard statements in full: EUH204: Contains isocyanates. May produce an allergic reaction.
H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H331 Toxic if inhaled.

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
H361 Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure

Store Between: Store Between 5C – 25C

Contains SVHC: No

Legal Disclaimer:

This product should be used as directed by EnviroStik Holdings (UK) Ltd. For further information consult the application data sheet.

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.

* These figures are typical and do not constitute a specification