

Safety Data Sheet

In accordance with EC 1907/2006 REACH and amendment 2015/830

STARCOAT R

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

- 1.1 Product form:** Mixture
Product Name: STARCOAT R
Product Code: 1962006 & 1962020
- 1.2 Relevant identified uses of the mixture and uses advised against.**
- 1.2.1. Relevant identified uses**
- | | |
|---|--|
| Industrial/Professional use spec | For professional use only, Industrial |
| Use of the substance/mixture | One component elastomeric, polyurethane based material, extended with pure chemically polymerized black bitumen, for waterproofing any surface |
- 1.2.2. Uses advised against**
No additional information available
- 1.3 Details of the supplier of the safety data sheet**
- Supplier:** Axter Ltd, Harbour Landing, Fox's Marina,
The Strand, Wherstead, Ipswich IP2 8NJ
Tel: +44 (0) 1473 724056
Email: info@axterltd.co.uk
Website: www.axter.co.uk

- 1.4 Emergency telephone:** Axter Ltd - +44 (0) 1473 724056
(this line is open from 8.00 am to 5.30 pm, Monday to Friday).
In the event of a medical enquiry involving this product, members of the public should contact:
NHS 111
a doctor or
a local hospital accident and emergency department.
The NPIS (National Poisons Information Service) helpline is available for enquiries from medical professionals only.
Tel: 0344 892 0111

Section 2: Hazards identification

2.1 Classification of the substance or mixture.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 3	H226
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Specific target organ toxicity - Repeated exposure, Category 2	H373
Hazardous to the aquatic environment - Chronic Hazard, Category 3	H412

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02



GHS07



GHS08

Signal word (CLP)	Warning
Hazardous ingredients	xylene
Hazard statements (CLP)	H226 - Flammable liquid and vapour H315 - Causes skin irritation H319 - Causes serious eye irritation H373 - May cause damage to organs through prolonged or repeated exposure H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP)	P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P260 - Do not breathe fume, vapours, spray P280 - Wear protective gloves, face protection, eye protection P233 - Keep container tightly closed

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P271 - Use only outdoors or in a well-ventilated area
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

EUH-statements

EUH208 - Contains Diphenylmethanediisocyanate, isomers and homologues (9016-87-9), (R)- 2-(4-Chloro-2-methylphenoxy) propionic acid, 2-Ethylhexylester (861229-15-4). May produce an allergic reaction
EUH204 - Contains isocyanates. May produce an allergic reaction

2.3 Other hazards.

No additional information available

Section 3: Composition/information on ingredients.

3.1 Substance.

Not applicable

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
xylene (Note C)	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	10- 15	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
(R)-2-(4-Chloro-2-methylphenoxy) propionic acid, 2- Ethylhexylester	(CAS No) 861229-15-4	< 1	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Diphenylmethanediisocyanate, isomers and homologues	(CAS No) 9016-87-9	< 1	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Care. 2, H351 STOT SE 3, H335 STOT RE 2, H373

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H-statements: see section 16

Section 4: First aid measures.

4.1 Description of first aid measures.

General

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation

Ensure fresh air is breathed in. Allow the victim to rest.

Skin contact

Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries

Causes damage to organs.

Symptoms/injuries after skin contact Causes skin irritation.

Symptoms/injuries after eye contact Causes serious eye irritation.

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

No additional information available

Section 5: Firefighting measures.

5.1 Extinguishing media.

Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media

Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture.

Fire hazard

Flammable liquid and vapour.

Explosion hazard

May form flammable/explosive vapour-air mixture.

5.3 Advice for firefighters.

Firefighting instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures.

General measures

Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1 For non-emergency personnel

Emergency procedures

Evacuate unnecessary personnel.

6.1.2 For emergency responders

Protective equipment

Equip cleanup crew with proper protection.

Emergency procedures

Ventilate area.

6.2 Environmental precautions.

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3 Methods and material for containment and cleaning up.**Methods for cleaning up**

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections.

See Heading 8. Exposure controls and personal protection.

Section 7: Handling and storage.**7.1 Precautions for safe handling.**

Additional hazards when processed Handle empty containers with care because residual vapours are flammable.

Precautions for safe handling

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing vapours, fume, spray.

Hygiene measures

Wash hands thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities.**Technical measures**

Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical equipment.

Storage conditions

Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container tightly closed.

Incompatible products

Strong bases. Strong acids. water, amines and alcohol's.

Incompatible materials

Sources of ignition. Direct sunlight. Heat sources.

7.3 Specific end use(s).

No additional information available

Section 8: Exposure controls/personal protection.**8.1 Control parameters**

No additional information available

8.2 Exposure controls**Personal protective equipment**

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves. (Council Directive 89/686/EEC) Eye protection:
Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing Respiratory protection:
Wear appropriate mask. (type A1 according to standard EN14387)

Other information :

Do not eat, drink or smoke during use.

Section 9: Physical and chemical properties.

9.1 Information on basic physical and chemical properties.

Physical state	Liquid
Appearance	Viscous liquid.
Colour	Black.
Odour	characteristic.
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	42°C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Flammable liquid and vapour
Vapour pressure	No data available
Relative vapour density at 20 °c	No data available
Relative density	No data available
Density	1,03 g/cm ³
Solubility	organic solvents.
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	25000 cP
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

9.2. Other information.

No additional information available

Section 10: Stability and reactivity.

10.1 Reactivity

No additional information available

10.2 Chemical stability

Stable under the recommended handling and storage conditions (see section 7).

10.3 Possibility of hazardous reactions

None under normal use.

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5 Incompatible materials

Strong acids. Strong bases. water, amines and alcohol's.

10.6 Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

Section 11: Toxicological information.

11.1 Information on toxicological effects.

Acute toxicity : Not classified

Diphenylmethanediisocyanate, isomers and homologues (9016-87-9)

LD50 oral rat 10000 mg/kg

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye irritation.
Respiratory or skin sensitisation	Not classified
Additional information	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Not classified
	Based on available data, the classification criteria are not met
Carcinogenicity	Not classified
Additional information	Based on available data, the classification criteria are not met
Reproductive toxicity	Not classified
Additional information	Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	Not classified
Additional information	Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified
Additional information	Based on available data, the classification criteria are not met

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Viscosity, kinematic 24271,84466019 mm²/s

Potential adverse human health effects and symptoms Based on available data, the classification criteria are not met.

Section 12: Ecological information.

12.1 Toxicity

Ecology - water Harmful to aquatic life with long lasting effects.

12.2 Persistence and degradability.

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Persistence and degradability May cause long-term adverse effects in the environment.

12.3 Bioaccumulative potencial

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Bioaccumulative potencial No available data.

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment

No additional information available

12.6 Other adverse effects

Additional information Avoid release to the environment

Section 13: Disposal considerations.**13.1 Waste treatment methods**

Waste disposal recommendations	Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a hazardous or special waste collection point.
Additional information	Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	Avoid release to the environment.

Section 14: Transport information.

In accordance with ADR /RID/ IMDG / IATA / ADN

14.1 UN number

UN-No. (ADR)	1139
UN-No. (IMDG)	1139
UN-No. (IATA)	1139
UN-No. (AON)	Not applicable
UN-No. (RID)	Not applicable

14.2 UN proper shipping name.

Proper Shipping Name (ADR)	COATING SOLUTION
Proper Shipping Name (IMDG)	COATING SOLUTION
Proper Shipping Name (IATA)	Coating solution
Proper Shipping Name (ADN)	Not applicable
Proper Shipping Name (RID)	Not applicable
Transport document description (ADR)	UN 1139 COATING SOLUTION (NOT SUBJECT TO THE PROVISIONS OF ADR - The product is packed in receptacles of less than 450 litres capacity. - Exempted according to 2.2.3.1.5 (Viscous substance exemption)), 3, 111, (D/E)
Transport document description (IMDG)	UN 1139 COATING SOLUTION (NOT SUBJECT TO THE PROVISIONS OF IMDG CODE FOR THE MARKING, LABELLING AND TESTING OF PACKAGES IN CHAPTERS 4.1, 5.2, AND 6.1. - The product is packed in receptacles not exceeding 30 L capacity - The following statement shall be included in the transport document: "Transport in accordance with 2.3.2.5 of the IMDG Code."), 3, III
Transport document description (IATA)	UN 1139 Coating solution, 3, III

14.3 Transport hazard class(es)**ADR**

Transport hazard class(es) (ADR)	3
Danger labels (ADR)	3

**IMDG**

Transport hazard class(es) (IMDG)	3
Danger labels (IMDG)	3

**IATA**

Transport hazard class(es) (IATA)	3
Hazard labels (IATA)	3

**ADN**

Transport hazard class(es) (AON)	Not applicable
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RID

Transport hazard class(es) (RID)	Not applicable
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14.4 Packing group

Packing group (ADR)	III
Packing group (IMDG)	III
Packing group (IATA)	III
Packing group (AON)	Not applicable
Packing group (RID)	Not applicable

14.5 Environmental hazards

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

14.6 Special precautions for user**Overland transport**

Classification code (ADR)	F1
Special provisions (ADR)	640E
Limited quantities (ADR)	51
Excepted quantities (ADR)	E1
Packing instructions (ADR)	P001, IBC03, LP01, R001

Mixed packing provisions (ADR)	MP19
Transport category (ADR)	3
Special provisions for carriage - Packages (ADR)	V12
Special provisions for carriage - Operation (ADR)	S2
Hazard identification number (Kemler No.)	30
Orange plates	

30

1139

Tunnel restriction code (ADR)	D/E
EAC code	•3YE

Transport by sea

Special provisions (IMDG)	955
Limited quantities (IMDG)	5L
Excepted quantities (IMDG)	E1
Packing instructions (IMDG)	P001, LP01
IBC packing instructions (IMDG)	IBC03
EmS-No. (Fire)	F-E
EmS-No. (Spillage)	S-E
Stowage category (IMDG)	A

Air transport

PCA Excepted quantities (IATA)	E1
PCA Limited quantities (IATA)	Y344
PCA limited quantity max net quantity (IATA)	10L
PCA packing instructions (IATA)	355
PCA max net quantity (IATA)	60L
CAO packing instructions (IATA)	366
CAO max net quantity (IATA)	220L
Special provisions (IATA)	A3
ERG code (IATA)	3L

Inland waterway transport

No data available

Rail transport

No data available

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

Not applicable.

Section 15: Regulatory information.**15.1 Safety, health and environmental regulations/legislation specific for the mixture.****15.1.1. EU-Regulations**

Contains no REACH substances with Annex XVII restrictions
 Contains no substance on the REACH candidate list
 Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference

Water hazard class (WGK) 2, hazard to waters
(Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal
Immission Control Act - 12.BImSchV

Is not subject of the 12. BImSchV
(Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen

None of the components are listed

SZW-lijst van mutagene stoffen

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting
giftige stoffen - Borstvoeding

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting
giftige stoffen - Vruchtbaarheid

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting
giftige stoffen - Ontwikkeling

xylene is listed

Denmark

Class for fire hazard

Class 11-1

Store unit

5 liter

Classification remarks

R10 <H226;H315;H319;H373;H412>; Emergency
management guidelines for the storage of flammable liquids
must be followed

Recommendations Danish Regulation

Young people below the age of 18 years are not allowed
to use the product
Pregnant breastfeeding women working with the product
must not be in direct contact with the product
Persons suffering from asthma or eczema and persons
who have chronic lung diseases, skin or respiratory
allergies to isocyanates should not work with the material
The requirements from the Danish Working Environment
Authorities regarding work with epoxy resins and
isocyanates must be observed during use and disposal

15.2 Chemical safety assessment.

No data available

Section 16: Other information.

Data sources

REGULATION (EC) No 1272/2008 OF THE EUROPEAN
PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on
classification, labelling and packaging of substances and mixtures,
amending and repealing Directives 67/548/EEC and 1999/45/EC,
and amending Regulation (EC) No 1907/2006.

Other information

None

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment-Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Resp. Sens. 1	Sensitisation - Respiratory, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation - Skin, Category 1
STOT RE 2	Specific target organ toxicity - Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity - Single exposure , Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
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
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
EUH204	Contains isocyanates. May produce an allergic reaction
EUH208	Contains . May produce an allergic reaction

Flam. Liq. 3	H226	On basis of test data
Skin Irrit. 2	H315	Calculation method
Eye Irrit. 2	H319	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 3	H412	Calculation method

SOS EU (REACH Annex II)

This information is correct to the best of our knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. It is the user's responsibility to check the product is suitable for the intended application and that it is used in compliance with current safety regulations.

The data contained in this SDS has been supplied as required by the EC REACH Regulation No. 1907/2006 and the EC Regulation No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company who are capable of acting on the information.

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The intended use of this product should be verified with Axter Ltd prior to adoption to ensure its suitability and compliance with specifications, project requirements, industry regulations, legislation, good practice, installation techniques and all other relevant guidance. The user should ensure all necessary precautions are taken during handling, storage, installation and disposal of the product, and all regulations to guarantee safety of people and the environment are observed. Axter Ltd accepts no liability for non-compliant use of this product.