

SAFETY DATA SHEET

C.A.R.FIT Bitumen Underbody Protection

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

1.1. Product identifier

Trade name

C.A.R.FIT Bitumen Underbody Protection

▼ Other names / Synonyms

C.A.R.FIT Bitumen Underbody Protection

Product no.

5-700-1000

▼ Unique formula identifier (UFI)

S120-G081-600X-X3SS

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

Relevant identified uses of the substance or mixture

Protective coating

Use descriptors (REACH)

Sectors of use	Description
LCS "IS"	Industrial uses: Uses of substances as such or in preparations at industrial sites
LCS "PW"	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Product category	Description
PC9a	Coatings and Paints, Fillers, Putties, Thinners

Uses advised against

No special

1.3. Details of the supplier of the safety data sheet

Company and address

August Handel GmbH

Ahornstraße 12

14959 Trebbin

Germany

+49 (0)33731 70 79 60

www.augusthandel.com

E-mail

info@augusthandel.com

Revision

22/05/2022

SDS Version

3.0

Date of previous version

04/03/2022 (2.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

SECTION 2: Hazards identification

▼ 2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapour.

Skin Irrit. 2; H315, Causes skin irritation.

Eye Irrit. 2; H319, Causes serious eye irritation.

STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Hazard pictogram(s)



Signal word

Warning

▼ Hazard statement(s)

Flammable liquid and vapour. (H226)

Causes skin irritation. (H315)

Causes serious eye irritation. (H319)

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

Safety statement(s)

▼ General

-

▼ Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)

Do not breathe vapour/mist/dust/fume/gas/spray. (P260)

Wear face shield/protective gloves/protective clothing/hearing protection/eye protection/face protection. (P280)

▼ Response

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. (P303+P361+P353)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

Storage

Store in a well-ventilated place. Keep cool. (P403+P235)

▼ Disposal

-

▼ Hazardous substances

xylene p-xylene o-xylene m-xylene

2.3. Other hazards

Additional labelling

Not applicable

Additional warnings

May form combustible dust concentrations in air.

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

VOC

VOC content: 679 g/L

MAXIMUM VOC CONTENT (Phase II, category B/e: 840 g/L)

SECTION 3: Composition/information on ingredients

▼ 3.2. Mixtures

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	Identifiers	% w/w	Classification	Note
xylen p-xylen o-xylen m-xylen	CAS No.: 1330-20-7 EC No.: 215-535-7 REACH: 01-2119488216-32 Index No.: 601-022-00-9	≥10 - ≤20%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 STOT RE 2, H373	[1]
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	CAS No.: 64742-48-9 EC No.: 919-857-5 REACH: 01-2119463258-33 Index No.:	2,5 - <10%	EUH066 Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	
ethylbenzene	CAS No.: 100-41-4 EC No.: 202-849-4 REACH: Index No.: 601-023-00-4	2,5 - <10%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT RE 2, H373 Aquatic Chronic 3, H412	[1]
propylene carbonate	CAS No.: 108-32-7 EC No.: 203-572-1 REACH: 01-2119537232-48 Index No.: 607-194-00-1	<2,5%	Eye Irrit. 2, H319	
reaction mass of N,N'-ethane-1,2-diylbis(hexanamide) and 12-hydroxy-N-[2-[(1-oxyhexyl)amino]ethyl]octadecanamide and N,N'-ethane-1,2-diylbis(12-hydroxyoctadecan amide)	CAS No.: EC No.: 432-430-3 REACH: 01-0000017860-69 Index No.: 616-200-00-1	<2,5%	Aquatic Chronic 4, H413	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼ Inhalation

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

▼ Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂).

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

▼ 6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

are released into the atmosphere in sufficient concentration.

Avoid direct contact with spilled substances.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

6.3. Methods and material for containment and cleaning up

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ground and bond container and receiving equipment.

Use explosion-proof [electrical/lighting/ventilating] equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Take action to prevent static discharges.

Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Avoid the suspension of dust in the air.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Use non-sparking tools.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

Room temperature 18 to 23°C

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

—
xylen p-xylen o-xylen m-xylen

Long term exposure limit (8 hours) (ppm): 50

Long term exposure limit (8 hours) (mg/m³): 220

Short term exposure limit (15 minutes) (ppm): 100

Short term exposure limit (15 minutes) (mg/m³): 441

Annotations:

BMVG = Biological Monitoring Guidance Value exists

Sk = Can be absorbed through the skin and lead to systemic toxicity.

—
ethylbenzene

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Long term exposure limit (8 hours) (ppm): 100
 Long term exposure limit (8 hours) (mg/m³): 441
 Short term exposure limit (15 minutes) (ppm): 125
 Short term exposure limit (15 minutes) (mg/m³): 552

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
 EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

ethylbenzene

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	180 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	442 mg/m ³
Long term – Systemic effects - General population	Inhalation	15 mg/m ³
Long term – Systemic effects - Workers	Inhalation	77 mg/m ³
Short term – Local effects - Workers	Inhalation	293 mg/m ³
Long term – Systemic effects - General population	Oral	1.6 mg/kg bw/day

propylene carbonate

Duration	Route of exposure	DNEL
Long term – Local effects - Workers	Dermal	10 mg/cm ²
Long term – Systemic effects - General population	Dermal	10 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	20 mg/kg bw/day
Long term – Local effects - General population	Inhalation	10 mg/m ³
Long term – Local effects - Workers	Inhalation	20 mg/m ³
Long term – Systemic effects - General population	Inhalation	17.4 mg/m ³
Long term – Systemic effects - Workers	Inhalation	70.53 mg/m ³
Long term – Systemic effects - General population	Oral	10 mg/kg bw/day

xylen p-xylen o-xylen m-xylen

Duration	Route of exposure	DNEL
Long term	-	
Short term	-	
Long term – Systemic effects - General population	Dermal	125 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	212 mg/kg bw/day
Long term – Local effects - General population	Inhalation	65.3 mg/m ³
Long term – Local effects - Workers	Inhalation	221 mg/m ³
Long term – Systemic effects - General population	Inhalation	65.3 mg/m ³

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Long term – Systemic effects - Workers	Inhalation	221 mg/m ³
Short term – Local effects - General population	Inhalation	260 mg/m ³
Short term – Local effects - Workers	Inhalation	442 mg/m ³
Short term – Systemic effects - General population	Inhalation	260 mg/m ³
Short term – Systemic effects - Workers	Inhalation	442 mg/m ³
Long term – Systemic effects - General population	Oral	12.5 mg/kg bw/day

PNEC

ethylbenzene

Route of exposure	Duration of Exposure	PNEC
Freshwater		100 µg/L
Freshwater sediment		13.7 mg/kg
Intermittent release (freshwater)		100 µg/L
Marine water		10-100 µg/L
Marine water sediment		1.37 mg/kg
Predators		20 mg/kg
Sewage treatment plant		9.6 mg/L
Soil		2.68 mg/kg

propylene carbonate

Route of exposure	Duration of Exposure	PNEC
Freshwater		900 µg/L
Intermittent release (freshwater)		9 mg/L
Intermittent release (marine water)		900 µg/L
Marine water		90 µg/L
Sewage treatment plant		7.4 g/L
Soil		810 µg/kg

xylen p-xylen o-xylen m-xylen

Route of exposure	Duration of Exposure	PNEC
Freshwater		327 µg/L
Freshwater sediment		12.46 mg/kg
Intermittent release (freshwater)		327 µg/L
Marine water		327 µg/L
Marine water sediment		12.46 mg/kg
Sewage treatment plant		6.58 mg/L

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Soil

2.31 mg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

When transferring the materials, dust clouds should be kept at an absolute minimum. Handling should be slow and deliberate. The materials should be transferred from one container to another using a non-sparking, conductive metal scoop.

When mixing the material with other dry ingredients, frictional heat should be avoided. The best type of mixer for a dry mixing operation is one that contains no moving parts, but rather affects a tumbling action, such as a conical blender. Introduction of an inert atmosphere in the blender is highly recommended since dust clouds are generated. All equipment must be well grounded.

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment

▼ Generally

Use only UKCA marked protective equipment.

▼ Respiratory Equipment

Type	Class	Colour	Standards
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.			



Skin protection

Recommended	Type/Category	Standards
Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.	-	-



Hand protection

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	-	-	EN374-2



Eye protection

Type	Standards
Face shield alternatively safety glasses with side shields.	EN166



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Black

Odour / Odour threshold

Characteristic

pH

No data available

▼ Density (g/cm³)

1.277 (20 °C)

Kinematic viscosity

>40 s (20 °C)

Particle characteristics

No data available

Phase changes

Melting point/Freezing point (°C)

No data available

Softening point/range (waxes and pastes) (°C)

Does not apply to liquids.

Boiling point (°C)

137-143

Vapour pressure

6,7-8,2 hPa (20 °C)

Relative vapour density

No data available

Decomposition temperature (°C)

No data available

Data on fire and explosion hazards

Flash point (°C)

24

Ignition (°C)

500

▼ Auto flammability (°C)

Not applicable

Lower and upper explosion limit (% v/v)

1.1 - 7

Solubility

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

▼ Solubility in water

Practically insoluble

n-octanol/water coefficient

No data available

Solubility in fat (g/L)

No data available

9.2. Other information

Formation of explosible dust/air mixtures

Yes

Evaporation rate (n-butylacetate = 100)

No data available

VOC (g/L)

679

Other physical and chemical parameters

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

Avoid static electricity.

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

Avoid the suspension of dust in the air.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

▼ Acute toxicity

Product/substance xylen p-xylen o-xylen m-xylen

Test method

Species

Rat

Route of exposure

Oral

Test

LD50

Result

>5840 mg/kg ·

Other information

Product/substance xylen p-xylen o-xylen m-xylen

Test method

Species

Rabbit

Route of exposure

Dermal

Test

LD50

Result

>2920 mg/kg ·

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Other information

Product/substance xylen p-xylen o-xylen m-xylen
 Test method
 Species Rat
 Route of exposure Inhalation
 Test LC50
 Result >2 mg/l ·
 Other information

Product/substance ethylbenzene
 Test method
 Species Rat
 Route of exposure Oral
 Test LD50
 Result 3500 - 4710 mg/kg ·
 Other information

Product/substance ethylbenzene
 Test method
 Species Rabbit
 Route of exposure Dermal
 Test LD50
 Result 17800 mg/kg ·
 Other information

Product/substance ethylbenzene
 Test method
 Species Bird
 Route of exposure Inhalation
 Test LC50
 Result 11 mg/l ·
 Other information

Product/substance ethylbenzene
 Test method
 Species Rat
 Route of exposure Oral
 Test LD50
 Result 3500 mg/kg ·
 Other information

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory sensitisation

Based on available data, the classification criteria are not met.

Skin sensitisation

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

▼ **STOT-single exposure**

Based on available data, the classification criteria are not met.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

▼ **Aspiration hazard**

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Long term effects

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties

No special

Other information

xylen p-xylen o-xylen m-xylen has been classified by IARC as a group 3 carcinogen.

ethylbenzene has been classified by IARC as a group 2B carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

Product/substance	xylen p-xylen o-xylen m-xylen
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	7,4 mg/l
Other information	

Product/substance	xylen p-xylen o-xylen m-xylen
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	13,5 mg/l
Other information	

Product/substance	ethylbenzene
Test method	
Species	Algae

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Compartment
 Duration 30 minutes
 Test EC10
 Result 200 mg/l ·
 Other information

Product/substance ethylbenzene
 Test method
 Species Algae
 Compartment
 Duration 24 hours
 Test EC50
 Result 13,4 mg/l ·
 Other information

Product/substance ethylbenzene
 Test method
 Species Fish
 Compartment
 Duration 24 hours
 Test EC50
 Result 7 mg/l ·
 Other information

Product/substance ethylbenzene
 Test method
 Species Daphnia
 Compartment
 Duration 48 hours
 Test EC50
 Result 2,4 mg/l ·
 Other information

Product/substance ethylbenzene
 Test method
 Species Algae
 Compartment
 Duration 72 hours
 Test EC50
 Result 33 mg/L ·
 Other information

Product/substance ethylbenzene
 Test method
 Species Fish
 Compartment
 Duration 96 hours
 Test LC50
 Result 12 mg/L ·
 Other information

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

ethylbenzene

LogKoc = 2.41, Moderate mobility potential.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

No special

12.7. Other adverse effects

No special

SECTION 13: Disposal considerations

▼ 13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

HP 3 - Flammable

HP 4 - Irritant (skin irritation and eye damage)

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 6 - Acute toxicity

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

08 01 11* Waste paint and varnish containing organic solvents or other dangerous substances



Specific labelling

Not applicable

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	UN1139	COATING SOLUTION	Class: 3 Labels: 3 Classification code: F1 	III	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1139	COATING SOLUTION	Class: 3 Labels: 3 Classification code: F1 	III	No	Limited quantities: 5 L EmS: F-E S-E See below for additional information.
IATA	UN1139	COATING SOLUTION	Class: 3 Labels: 3 Classification code: F1	III	No	See below for additional information.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

14.1 UN / ID 14.2 UN proper shipping name 14.3 Hazard class(es) 14.4 PG* 14.5 Env** Other information



* Packing group

** Environmental hazards

▼ Additional information

IMDG / See the Dangerous Goods List, section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

No specific requirements

SEVESO - Categories / dangerous substances

P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

Additional information

Not applicable

▼ Sources

The Management of Health and Safety at Work Regulations 1999

The Health and Safety at Work etc. Act 1974 Regulations 2013.

Control of Major Accident Hazards (COMAH) Regulations 2015.

2012 No. 1715 ENVIRONMENTAL PROTECTION: The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3

EUH066, Repeated exposure may cause skin dryness or cracking.

H225, Highly flammable liquid and vapour.

H226, Flammable liquid and vapour.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

H304, May be fatal if swallowed and enters airways.
 H312, Harmful in contact with skin.
 H315, Causes skin irritation.
 H319, Causes serious eye irritation.
 H332, Harmful if inhaled.
 H335, May cause respiratory irritation.
 H336, May cause drowsiness or dizziness.
 H373, May cause damage to organs through prolonged or repeated exposure.
 H412, Harmful to aquatic life with long lasting effects.
 H413, May cause long lasting harmful effects to aquatic life.

[The full text of identified uses as mentioned in section 1](#)

LCS "IS" = Industrial uses: Uses of substances as such or in preparations at industrial sites
 LCS "PW" = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
 PC9a = Coatings and Paints, Fillers, Putties, Thinners

▼ [Abbreviations and acronyms](#)

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 CAS = Chemical Abstracts Service
 CE = Conformité Européenne
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 CSA = Chemical Safety Assessment
 CSR = Chemical Safety Report
 DMEL = Derived Minimal Effect Level
 DNEL = Derived No Effect Level
 EINECS = European Inventory of Existing Commercial chemical Substances
 ES = Exposure Scenario
 EUH statement = CLP-specific Hazard statement
 EWC = European Waste Catalogue
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IARC = International Agency for Research on Cancer (IARC)
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 OECD = Organisation for Economic Co-operation and Development
 PBT = Persistent, Bioaccumulative and Toxic
 PNEC = Predicted No Effect Concentration
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
 RRN = REACH Registration Number
 SCL = A specific concentration limit
 SVHC = Substances of Very High Concern
 STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
 STOT-SE = Specific Target Organ Toxicity - Single Exposure
 TWA = Time weighted average
 UN = United Nations
 UVBC = Unknown or variable composition, complex reaction products or of biological materials
 VOC = Volatile Organic Compound
 vPvB = Very Persistent and Very Bioaccumulative

▼ [Additional information](#)

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of physical hazards has been based on experimental data.

▼ [The safety data sheet is validated by](#)

S. Grade

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

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