

SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **1410 Seam-Seal**

Creation date: **18.7.2017** · Revision: **19.6.2019** · Version: **1**



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

1.1. Product identifier

Product name

1410 Seam-Seal



chemius.net/4ll35

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

Relevant identified uses

Sealant. Reserved for industrial and professional use.

Uses advised against

No information.

1.3. Details of the supplier of the safety data sheet

Supplier

SILCO, D.O.O.

Address: Šentrupert 5 a, 3303 Gomilsko, Slovenia

Phone: +386 3 703 3180

Fax: +386 3 703 3188

E-mail: n.cvilak@silco-automotive.com

Point of contact for safety info: Nejc Cvilak

1.4. Emergency telephone number

Emergency

112

Supplier

+386 3 703 3180

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Flam. Liq. 2; H225 Highly flammable liquid and vapour.

Skin Irrit. 2; H315 Causes skin irritation.

STOT SE 3; H336 May cause drowsiness or dizziness.

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

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2.2 Label elements

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



Signal word: **Danger**

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

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

P233 Keep container tightly closed.

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear protective gloves/eye protection/face protection.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

2.2.2. Contains:

hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (CAS: 64742-49-0, EC: 927-510-4)

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (EC: 919-857-5)

octane (CAS: 111-65-9, EC: 203-892-1, Index: 601-009-00-8)

2.2.3. Special provisions

Special hazards are not known or expected.

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

For mixtures see 3.2.

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3.2. Mixtures

Name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	REACH Registration No.
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	64742-49-0 927-510-4 -	10≤x<20	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411		01-2119475515-33
xylene [C]	1330-20-7 215-535-7 601-022-00-9	5 ≤x<9	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		01-2119488216-32
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	- 919-857-5 -	1≤x< 5	Flam. Liq. 3; H226 Asp. Tox. 1; H304 STOT SE 3; H336 EUH066		01-2119463258-33
octane	111-65-9 203-892-1 601-009-00-8	2,5-<5	Flam. Liq. 2; H225 Asp. Tox. 1; H304 STOT SE 3; H336 Aquatic Chronic 2; H411		01-2119473851-33

Notes for substances:

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.
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SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

General notes

When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency.

Following inhalation

Remove patient to fresh air - move out of dangerous area. If symptoms occur, seek medical advice.

Following skin contact

Immediately remove contaminated clothing. Wash affected skin areas thoroughly with plenty of water and soap. If symptoms develop and persist, seek medical attention. Wash contaminated clothes and shoes before reuse.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Remove contact lenses, if present and easy to do. If irritation persists, seek professional medical attention.

Following ingestion

Do not induce vomiting without prior consultation with a doctor. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

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

Inhalation

Can cause irritation of respiratory system.
Vapours may cause drowsiness and dizziness.
Coughing, sneezing, nasal discharge, labored breathing.

Skin contact

Irritating to the skin.
Itching, redness, pain.

Eye contact

Contact with eyes can cause irritation (redness, tearing, pain).

Ingestion

May cause irritation of the digestive tract.
May cause nausea/vomiting and diarrhea.
May cause abdominal discomfort.

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

Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂).
Fire extinguishing powder.
Foam.

Unsuitable extinguishing media

Water. Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

5.3. Advice for firefighters

Protective actions

Cool containers at risk with water spray. If possible remove containers from endangered area. Prevent accumulation of vapours with water spray. In case of fire or heating do not breathe fumes/vapours. Prolonged heating can cause an explosion.

Special protective equipment for firefighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8).

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Emergency procedures

Ensure adequate ventilation. Keep away from sources of ignition and/or heat; No smoking! Prevent access to unprotected personnel. Evacuate the danger zone. Avoid contact with skin, eyes and clothing. Do not breathe vapour or mist.

6.1.2. For emergency responders

Use personal protective equipment.

6.2. Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

Stem the spill if this does not pose risks.

6.3.2. For cleaning up

In case of bigger spill, dam the spillage, pump the liquid into appropriate labelled containers, absorb a residue with absorbent material and dispose of according to local regulations. Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Use only explosion-proof instruments and equipment. Take precautionary measures against static discharges. Make sure the leakage site is well aired. Evaluate the compatibility of the container to be used, by checking section 10. Dispose in accordance with applicable regulations (see Section 13).

6.3.3. Other information

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6.4. Reference to other sections

See also Sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire

Ensure adequate ventilation. Keep away from sources of ignition - no smoking. Use spark-proof tools. Take precautionary measures against static discharges. Protect from open fire and other sources of ignition or heat. Antistatic clothes and footwear are recommended. Only use grounded containers and equipment when transporting / transferring - possible danger of accumulation of electrostatic charges. Prevent formation of flammable/explosive concentrations in the air. Prevent concentrations of vapours above the relevant occupational exposure limits. Vapours are heavier than air and spread along the floor. They form explosive mixtures with air. Open containers with caution as they may be pressurised.

Measures to prevent aerosol and dust generation

Ensure adequate ventilation.

Measures to protect the environment

Avoid release to the environment.

7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin and eyes. Do not breathe vapours/mist. Wear suitable protective equipment; see Section 8. Remove contaminated clothes and wash them before reuse.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions

Store in accordance with local regulations. Keep in cool and well ventilated area. Protect from open fire, heat and direct sunlight. Keep away from food, drink and animal feeding stuffs. Keep in tightly closed container. Keep away from incompatible products (see section 10).

7.2.2. Packaging materials

Store only in original container.

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7.2.3. Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking.

7.2.4. Storage class

-

7.2.5. Further information on storage conditions

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7.3. Specific end use(s)

Recommendations

Do not use compressed air during filling, emptying or handling.

Industrial sector specific solutions

No specific data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

8.1.1. Occupational exposure limit values

Name (CAS)	Limit values		Short-term exposure limit		Remarks	Biological Tolerance Values
	ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)	mg/m ³		
n-Hexane (110-54-3)	20	72	-	-		
Xylene, o-,m-,p- or mixed isomers (1330-20-7)	50	220	100	441	Sk, BMGV	650 mmol methyl hippuric acid/mol creatinine in urine - Post shift
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	400	2085			WEL	
xylene (1330-20-7)	50	221	100	442	WEL	

8.1.2. Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 482:2012+A1:2015 Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values.

8.1.3. DNEL/DMEL values

No information.

8.1.4. PNEC values

No information.

8.2. Exposure controls

8.2.1. Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Handle in accordance with good industrial hygiene and safety practice. Use good personal hygiene practices – wash hands at breaks and when done working with material. Avoid contact with eyes and skin. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols. Keep away from foodstuffs, beverages and feed. Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Organisational measures to prevent exposure

Keep eyewash bottles or personal eyewash units and emergency showers available.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration.

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8.2.2. Personal protective equipment

Eye and face protection

Safety glasses with side protection (EN 166).

Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The product consists of various substances, therefore the resistance of gloves can not be calculated and has to be tested before use. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Skin protection

Choose body protection according to the activity and possible exposure. Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345). Protective antistatic clothing EN 1149 (1:2006, 2:1998 and 3:2004, 5:2008), protective antistatic shoes (EN 20345:2012).

Respiratory protection

If the concentration limit values are exceeded, it is necessary to wear appropriate respiratory protection. Wear suitable respiratory protection mask (EN 136:1998) with an AX-P2 combination filter (EN 14387:2004 +A1:2008). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard EN 137, EN 138.

Thermal hazards

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8.2.3. Environmental exposure controls

Instruction measures to prevent exposure

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

-	Physical state:	liquid; paste
-	Colour:	grey
-	Odour:	

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Important health, safety and environmental information

- pH	No information.
- Melting point/freezing point	No information.
- Initial boiling point/boiling range	> 35 °C
- Flash point	< 23 °C
- Evaporation rate	No information.
- Flammability (solid, gas)	No information.
- Explosion limits (vol%)	No information.
- Vapour pressure	No information.
- Vapour density	No information.
- Density	Relative density: 1,2
- Solubility	No information.
- Partition coefficient	No information.
- Auto-ignition temperature	No information.
- Decomposition temperature	No information.
- Viscosity	kinematic: > 20,5 mm ² /s at 40 °C
- Explosive properties	No information.
- Oxidising properties	No information.

9.2. Other information

- Weight organic solvents	29 % (VOC (Directive 2004/42/EC)) 348 g/l (VOC (Directive 2004/42/EC))
- Remarks:	

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under recommended transport or storage conditions.

10.2. Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3. Possibility of hazardous reactions

Vapours and air can form flammable or explosive mixtures. XYLENE (MIXTURE OF ISOMERS): stable, but may develop violent reactions in the presence of strong oxidising agents such as sulphuric and nitric acids and perchlorates. May form explosive mixtures with the air.

10.4. Conditions to avoid

Protect from heat, direct sunlight, open fire, sparks. Take precautionary measures against static discharges.

10.5. Incompatible materials

Oxidants. perchlorates
Strong acids.
Nitric acid.

10.6. Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

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SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

(a) Acute toxicity

Name	Exposure route	Type	Species	Time	Value	Method	Remark
For product	inhalation (vapors)	LC ₅₀			> 20 mg/l		
For product	dermal	LD ₅₀			> 2000 mg/kg		
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	oral	LD ₅₀	rat		> 5840 mg/kg		
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	dermal	LD ₅₀	rat		> 2920 mg/kg		
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	inhalation	LC ₅₀	rat	4 h	> 23300 mg/l		
xylene (1330-20-7)	oral	LD ₅₀	rat		3523 mg/kg		
xylene (1330-20-7)	dermal	LD ₅₀	rat		4350 mg/kg		
xylene (1330-20-7)	inhalation	LD ₅₀	rat	4 h	26 mg/l		
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (-)	oral	LD ₅₀	rat		> 5000 mg/kg		
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (-)	dermal	LD ₅₀	rat		> 2000 mg/kg		
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (-)	inhalation	LC ₅₀	rat	4 h	> 9300 mg/l		
octane (111-65-9)	oral	LD ₅₀	rat		5840 mg/kg		
octane (111-65-9)	dermal	LD ₅₀	rat		2920 mg/kg		
octane (111-65-9)	inhalation	LC ₅₀	rat		23300 mg/l		

(b) Skin corrosion/irritation

Name	Species	Time	Result	Method	Remark
xylene (1330-20-7)			Irritating.		
Additional information: Causes skin irritation.					

(c) Serious eye damage/irritation

Name	Species	Time	Result	Method	Remark
xylene (1330-20-7)			Irritating.		

(d) Respiratory or skin sensitisation

Additional information: The product is not classified as sensitising.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

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(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

Name	Exposure route	Type	Species	Time	Organ	Value	Result	Method	Remark
xylene (1330-20-7)	inhalation	-					irritation of the respiratory tract		
Additional information: May cause drowsiness or dizziness.									

(i) STOT-repeated exposure

Name	Exposure route	Type	Species	Time	Organ	Value	Result	Method	Remark
xylene (1330-20-7)	-	-	-				has a toxic effect on the CNS (encephalopathies).		
Additional information: STOT RE (repeated exposure): Not classified.									

(j) Aspiration hazard

Additional information: Aspiration hazard: Not classified.

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Acute (short-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	LC ₅₀	375 mg/L	96 h	fish	<i>Tilapia mossambica</i>		
	EC ₅₀	82,5 mg/L	48 h	crustacea	<i>Daphnia magna</i>		
	EC ₅₀	1,5 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>		
xylene (1330-20-7)	LC ₅₀	2,6 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
	EC ₅₀	2,2 mg/L	72 h	algae	<i>Chlorella vulgaris</i>		
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (-)	LC ₅₀	> 1000 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
	EC ₅₀	> 1000 mg/L	48 h	crustacea	<i>Daphnia magna</i>		
	EC ₅₀	> 1000 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>		
octane (111-65-9)	LC ₅₀	3 mg/L	96 h	fish	<i>Oncorhynchus mykiss</i>		
	EC ₅₀	4,6 mg/L	48 h	crustacea	<i>Daphnia magna</i>		
	EC ₅₀	10 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>		

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12.1.2. Chronic (long-term) toxicity

For components

Substance (CAS Nr.)	Type	Value	Exposure time	Species	Organism	Method	Remark
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	NOEC	1,534 mg/l	28 days	fish			
	NOEC	1 mg/l	21 days	crustacea	<i>Daphnia magna</i>		
xylene (1330-20-7)	NOEC	> 1,3 mg/l	56 days	fish			
	NOEC	0,96 mg/l	7 days	crustacea			

12.2. Persistence and degradability

12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information.

12.2.2. Biodegradation

For components

Substance (CAS Nr.)	Type	Rate	Time	Evaluation	Method	Remark
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	biodegradability			readily biodegradable		
xylene (1330-20-7)	biodegradability			readily biodegradable		
hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics (-)	biodegradability			readily biodegradable		
octane (111-65-9)	biodegradability			readily biodegradable		

12.3. Bioaccumulative potential

12.3.1. Partition coefficient

For components

Substance (CAS Nr.)	Media	Value	Temperature	pH	Concentration	Method
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	Octanol-water	4,5				
xylene (1330-20-7)	Octanol-water	3,12				
octane (111-65-9)	Log Pow	5,15				

12.3.2. Bioconcentration factor (BCF)

For components

Substance (CAS Nr.)	Type	Organism	Value	Duration	Evaluation	Method	Remark
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	BCF		552				
xylene (1330-20-7)	BCF		25,9				
octane (111-65-9)	BCF		198,7				

12.4. Mobility in soil

12.4.1. Known or predicted distribution to environmental compartments

No information.

12.4.2. Surface tension

No information.

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12.4.3. Adsorption/Desorption

For components

Substance (CAS Nr.)	Type	Criterion	Value	Evaluation	Method	Remark
hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	Soil		2,38			soil / water distribution coefficient
xylene (1330-20-7)	Soil		2,73			soil / water distribution coefficient
octane (111-65-9)	Soil		2,64			soil / water distribution coefficient

12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances in percentages greater than 0.1%.

12.6. Other adverse effects

No information.

12.7. Additional information

For product

Harmful to aquatic life with long lasting effects.

Do not allow to reach ground water, water courses or sewage system.

The paraffinic hydrocarbons fraction may be considered biodegradable in water and in air.

They distribute mostly in the air.

The small non biodegradable amount which spreads into water tends to accumulate in fish.

For components

Substance: hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Water solubility: 0,1 - 100 mg/l.

Substance: xylene

Water solubility: 100 - 1000 mg/l.

Substance: octane

Water solubility: 0,1 - 100 mg/l.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

Waste chemical

Dispose of in accordance with applicable waste disposal regulation. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Recycle, if possible.

Packaging

Dispose of in accordance with applicable waste disposal regulation. Deliver completely emptied containers to approved waste disposal authorities. Empty containers or liners may contain product residues. Empty containers represent a fire hazard as they may contain flammable product residues and vapour.

13.1.2. Waste treatment-relevant information

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13.1.3. Sewage disposal-relevant information

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13.1.4. Other disposal recommendations

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SECTION 14. TRANSPORT INFORMATION

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14.1. UN number

UN 3175

14.2. UN proper shipping name

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (xylene, hydrocarbons, C7, n-alkanes, isoalkanes, cyclics)

14.3. Transport hazard class(es)

4.1

14.4. Packing group

II

14.5. Environmental hazards

NO.

14.6. Special precautions for user

Limited quantities

1 kg

Tunnel restriction code

(E)

IMDG flashpoint

23 °C, c.c.

IMDG EmS

F-A, S-I

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

VC1, VC2, AP2



SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2015/830)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

15.1.1. Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

Not applicable.

15.1.2. Special instructions

Seveso P5c: FLAMMABLE LIQUIDS.

Regulation (EC) No. 1907/2006 (REACH) Annex XVII - Terms of restriction: 3, 40.

15.2. Chemical Safety Assessment

A chemical safety assessment has been performed for the following contained substances:

xylene,

octane, @hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics.

SAFETY DATA SHEET according to Regulation 1907/2006



Product name: **1410 Seam-Seal**

Creation date: **18.7.2017** · Revision: **19.6.2019** · Version: **1**

SECTION 16. OTHER INFORMATION

Indication of changes

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Abbreviations and acronyms

ATE - Acute Toxicity Estimate
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC₅₀ - Lethal Concentration to 50 % of a test population
LD₅₀ - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)

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PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

Key literature references and sources for data

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List of relevant H phrases

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
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 .
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.



- ☒ Provided correct labelling of the product
- ☒ Compliance with the local legislation
- ☒ Provided correct classification of the product
- ☒ Provided adequate transport data

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The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under Section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.