SAFETY DATA SHEET

according to Regulation (EU) 2020/878

Supagard Tar and Glue Remover

Revision 5

Revision date 2024-06-17

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

1.1. Product identifier

Product name	Supagard Tar and Glue Remover

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

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products); ----- [SU21] Consumer uses: Private households (= general public = consumers); [PC35] Washing and cleaning products (including solvent based products);
Description	Breaks down Tar & Glue residue.

1.3. Details of the supplier of the safety data sheet

Company	SUPAGARD LIMITED
Address	19-27 Gavinton Street Muirend Glasgow G44 3EF
Web	www.supagard.com
Telephone	0141 633 5933
Fax	01416377219
Email	James.Smyth@supagard.com
Email address of the competent person	James.Smyth@supagard.com

1.4. Emergency telephone number

Emergency telephone number	01416335933 8.30am to 5.00pm For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice) If you are a healthcare professional with an enquiry please visit www.TOXBASE.org

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	: EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;

2.2. Label elements

Hazard pictograms	

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2.2. Label elements

Signal Word	Danger
Hazard Statement	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. STOT SE 3: H336 - May cause drowsiness or dizziness. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P102 - Keep out of reach of children. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P310+P330+P331 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. Rinse mouth. Do NOT induce vomiting. P302+P350 - IF ON SKIN: Gently wash with plenty of soap and water.
Precautionary Statement: Storage	P403+P233+P235 - Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to an approved disposal site, in accordance with local regulations.
SUPPLEMENTAL HAZARD INFORMATION	Ingredients as required by Regulation (EC) No 648/2004:. 15 - 30% Aromatic Hydrocarbons. Contains - Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics (2-25%) aromatics, Hydrocarbons, C9-11, N-alkanes, Isoalkanes, Cyclics, <2% Aromatic, Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics, 2-butoxyethanol.

2.3. Other hazards

Other hazards	This substance/mixture is not classified as PBT or vPvB according to current criteria. The substance/mixture does not contain substances with endocrine disrupting properties.

Further information

	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Hydrocarbons, C9-11, N-alkanes, Isoalkanes, Cyclics, <2% Aromatic		1174522-20-3	919-857-5	01-2119463258-33	10 - 20%	: EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336;
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics (2-25%) aromatics			919-446-0		50 - 60%	: EUH066; Flam. Liq. 3: H226; Asp. Tox. 1: H304; STOT SE 3: H336; STOT RE 1: H372; Aquatic Chronic 2: H411;
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics			926-141-6	01-2119456620-43	10 - 20%	: EUH066; Asp. Tox. 1: H304;
2-butoxyethanol	603-014-00-0	111-76-2	203-905-0	01-2119475108-36	1 - 10%	Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315;

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash with water and soap as a precaution.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

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

Inhalation	High concentration of vapour in enclosed space may cause irritation,headaches and nausea. May cause irritation to respiratory system. May cause drowsiness or dizziness.
Eye contact	May cause irritation to eyes.
Skin contact	May cause skin dryness and irritation. Prolonged contact may cause defatting of the skin. Prolonged or repeated exposure may cause: Skin irritation and dermatitis.
Ingestion	May be fatal if swallowed and enters airways.

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

	TREAT SYMPTOMATICALLY.
Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist.

General information

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Flammable liquid. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

	Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back. Solvent vapours may form explosive mixtures with air. Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

	Fire fighters should wear self contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Further information

	In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment. Flammable liquid. Avoid sparks, flames, heat and sources of ignition.

6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained.

6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Avoid sparks, flames, heat and sources of ignition.

6.4. Reference to other sections

	See section 2, 7, 8, 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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7.1. Precautions for safe handling

	Adopt best Manual Handling considerations when handling, carrying and dispensing. Provide adequate ventilation. Static electricity and formation of sparks must be prevented.

7.2. Conditions for safe storage, including any incompatibilities

	Flammable liquid. Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sun Light. Store in a well-ventilated place. Keep cool. Store in original container. Keep container tightly closed. Keep away from combustible material. Keep out of the reach of children. Store away from the following materials: Oxidising materials.

7.3. Specific end use(s)

	Breaks down Tar & Glue residue.

Suitable packaging

	Plastic containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	Occupational exposure controls.

8.1.1. Exposure Limit Values

2-butoxyethanol	WEL 8-hr limit ppm:	25	WEL 8-hr limit mg/m3:	123
	WEL 15 min limit ppm:	50	WEL 15 min limit mg/m3:	101.2
	WEL 8-hr limit mg/m3 total inhalable dust:	-	WEL 15 min limit mg/m3 total inhalable dust:	-
	WEL 8-hr limit mg/m3 total respirable dust:	-	WEL 15 min limit mg/m3 total respirable dust:	-
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	WEL 8-hr limit ppm:		WEL 8-hr limit mg/m3:	1200
	WEL 15 min limit ppm:		WEL 15 min limit mg/m3:	
	WEL 8-hr limit mg/m3 total inhalable dust:	-	WEL 15 min limit mg/m3 total inhalable dust:	-
	WEL 8-hr limit mg/m3 total respirable dust:	-	WEL 15 min limit mg/m3 total respirable dust:	-

DNEL: Derived no-effect level.

Exposure Pattern - Workers

2-butoxyethanol	Acute inhalation - Systemic effects	1091 mg/m³		
	Acute inhalation - Local effects	246 mg/m³	Acute dermal - Systemic effects	89 mg/kg
	Long-term - inhalation - Systemic effects	98 mg/m³	Long-term - dermal - Systemic effects	125 mg/kg

Exposure Pattern - General population

2-butoxyethanol	Acute inhalation - Systemic effects	426 mg/m³		
	Acute dermal - Systemic effects	89 mg/kg	Acute oral - Systemic effects	26.7 mg/kg
	Long-term - inhalation - Systemic effects	59 mg/m³	Long-term - inhalation - Local effects	147 mg/m³
	Long-term - dermal - Systemic effects	89 mg/kg	Long-term - oral - Systemic effects	6.3 mg/kg

8.2. Exposure controls

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8.2. Exposure controls

	
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.
8.2.1. Appropriate engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below there respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.
Eye / face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.
Skin protection - Handprotection	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Chemical resistant gloves. Nitrile rubber gloves.
Skin protection - Other	Use barrier creams to prevent skin contact. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
8.2.3. Environmental exposure controls	Prevent further leakage or spillage if safe to do so.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless
Odour	Characteristic
Odour threshold	No data available
pH	No data available
Melting point	No data available
Initial boiling point	No data available
Flash point	53 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative Vapour Density	No data available
Density / Relative Density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	< 100 centipoise
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Insoluble in water

9.2. Other information

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9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

9.2.1. Information with regard to physical hazard classes

No data is available on this product.

9.2.2. Other safety characteristics

No data is available on this product.

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid. Stable under normal conditions.

10.2. Chemical stability

Flammable liquid. Stable under normal conditions. Use as recommended.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Avoid sparks, flames, heat and sources of ignition. Avoid storing in direct Sun Light.

10.5. Incompatible materials

Strong acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1 Information on hazard classes

	This mixture has not been tested as a whole for health effects. The health effects have been calculated from raw material supplier LD50 and Acute Toxicity Estimates (ATE) as outlined in the Regulation (EC) No. 1272/2008 (CLP) as amended by UK law.
Acute toxicity	based on available data the classification criteria are not met. Oral ATE = >10,000 mg/kg. Dermal ATE = >10,000 mg/kg. Inhalation Dust/Mist ATE = 550 mg/l.
Skin corrosion/irritation	based on available data the classification criteria are not met.
Serious eye damage/irritation	based on available data the classification criteria are not met.
Respiratory or skin sensitisation	based on available data the classification criteria are not met.
Germ cell mutagenicity	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	STOT SE 3: H336 - May cause drowsiness or dizziness.
STOT-repeated exposure	STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .
Aspiration hazard	Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.

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11.1 Information on hazard classes

Repeated or prolonged exposure	EUH066 - Repeated exposure may cause skin dryness or cracking.

11.1.2. Mixtures

No data available.

11.1.3. Hazard Information

No data available.

11.1.4. Toxicological Information

2-butoxyethanol	**Oral Rat LD50:**	1200 mg/kg	**Dermal Rabbit LD50:**	>2000 mg/kg
	Inhalation Rat LC50/4 h:	2.2 mg/l		
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	**Oral Rat LD50:**	>5000mg/kg	**Dermal Rabbit LD50:**	>5000mg/kg
	Inhalation Rat LC50/4 h:	>5000 mg/m3		
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics (2-25%) aromatics	**Inhalation Rat LC50/4 h:**	>13100mg/l	**Dermal Rat LD50:**	>3400mg/kg
	Oral Rat LD50:	>15000mg/kg		

11.2 Information on other hazards

No data is available on this product.

SECTION 12: Ecological information

12.1. Toxicity

2-butoxyethanol	**Daphnia EC50/48h:**	1550.0000 mg/l	**Algae EC50/72h:**	911 mg/l (Pseudokirchneriella subcapitata)
	Lepomis_Macrochirus LC50/96h:	1490 - 2950 mg/l		
	EC50 for marine or freshwater organisms	>100.0000 mg/l	**LC50 for marine or freshwater organisms**	>100.0000 mg/l
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	**Daphnia EC50/48h:**	1000.0000 mg/l	**Fish LC50/96h:**	1000.0000 mg/l
	Algae EC50/72h:	1000 mg/l		
Hydrocarbons, C9-12, n-alkanes, isoalkanes, cyclics (2-25%) aromatics	**Daphnia EC50/48h:**	22.0000 mg/l	**Fish LC50/96h:**	30.0000 mg/l
	Algae EC50/72h:	10	**Green Algae EC50/48h:**	43.98

12.2. Persistence and degradability

Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines.

12.3. Bioaccumulative potential

May accumulate in soil and water systems.

Partition coefficient

	Supagard Tar and Glue Remover	No data available	**2-butoxyethanol**	0.81 log P

12.4. Mobility in soil

The product has poor water-solubility.

12.5. Results of PBT and vPvB assessment

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12.5. Results of PBT and vPvB assessment

This substance/mixture is not classified as PBT or vPvB according to current criteria.

12.6 Endocrine disrupting properties

No data is available on this product.

12.7. Other adverse effects

No data is available on this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

General information

Dispose of in compliance with all local and national requirements.

Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations.

SECTION 14: Transport information

Hazard pictograms

14.1. UN number

UN3295

14.2. UN proper shipping name

HYDROCARBONS, LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID	3
Subsidiary risk	-
IMDG	3
Subsidiary risk	-
IATA	3
Subsidiary risk	-

14.4. Packing group

Packing group	III

14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

14.6. Special precautions for user

No additional special precautions.

14.7 Maritime Transport in bulk according to IMO instruments

Not applicable.

ADR/RID

Hazard ID	30

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ADR/RID	
Tunnel Category	(D/E)
IMDG	
EmS Code	F-E S-D
IATA	
Packing Instruction (Cargo)	366
Maximum quantity	220 L
Packing Instruction (Passenger)	355
Maximum quantity	60 L

SECTION 15: Regulatory information

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

Regulations	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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. As retained and amended in UK law. COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. As retained and amended in UK law. COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). As retained and amended in UK law.

15.2. Chemical safety assessment

	No information available.

SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas:. 12 - 12.1. Toxicity.
Data sources	Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008, as retained and amended in UK law. Flam. Liq. 3: H226 - Flammable liquid and vapour. - Flash Point - 55 degC. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. - Calculation Method. STOT SE 3: H336 - May cause drowsiness or dizziness. - Calculation Method. STOT RE 1: H372 - Causes damage to organs calculation Method through prolonged or repeated exposure . -. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. - Calculation Method.
Text of Hazard Statements in Section 3	EUH066 - Repeated exposure may cause skin dryness or cracking. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. STOT SE 3: H336 - May cause drowsiness or dizziness. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.

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Other information

	Acute Tox. 4: H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation.

Further information

	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.