

SOVEREIGN SX70 SPRUCE GREEN
Supersedes Date: 03-May-2019

Revision date 13-Apr-2021
Revision Number 2

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

1.1. Product identifier

Product Name SOVEREIGN SX70 SPRUCE GREEN
Pure substance/mixture Mixture

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

Recommended use Restricted to professional users. Paints and varnishes.
Uses advised against Consumer use

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik Limited
 Common Rd
 ST16 3EH
 Stafford UK
 Tel: +44 (1785) 27 26 25
 Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

United Kingdom +44 (1785) 272650
Ireland +353 (1) 8624900 (Monday- Friday 9am-5pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aspiration hazard	Category 1 - (H304)
Skin sensitisation	Category 1A - (H317)
Reproductive toxicity	Category 1B - (H360)
Specific target organ toxicity — repeated exposure	Category 2 - (H373)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 3 - (H226)

2.2. Label elements

Contains Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%), 3-Iodo-2-propynyl butylcarbamate [IPBC], Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, 2-Butanone, oxime



Signal word
 Danger

Hazard statements

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H304 - May be fatal if swallowed and enters airways.
H317 - May cause an allergic skin reaction.
H360 - May damage fertility or the unborn child.
H373 - May cause damage to organs through prolonged or repeated exposure.
H411 - Toxic to aquatic life with long lasting effects.
H226 - Flammable liquid and vapour.

EU Specific Hazard Statements

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P260 - Do not breathe vapour
P273 - Avoid release to the environment
P280 - Wear protective gloves and eye/face protection
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P403 + P235 - Store in a well-ventilated place. Keep cool
P501 - Dispose of contents/ container to an approved waste disposal plant

Special provisions concerning the labelling of certain mixtures

Restricted to professional users.

2.3. Other hazards

Toxic to aquatic life. In use, may form flammable/explosive vapour-air mixture.

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Hydrocarbons, C10-C13, alkanes, isoalkanes, cyclics, <2% aromatics	918-481-9	RR-113412-9	>25 - <40	Asp. Tox. 1 (H304) (EUH066)		01-2119457273-39-XXXX
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	919-857-5	--	10 - <20	STOT SE 3 (H336) Asp. Tox. 1 (H304) (EUH066) Flam. Liq. 3 (H226)		01-2119463258-33-XXXX
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	919-446-0	RR-91855-8	1- <2.5	STOT SE 3 (H336) STOT RE 1 (H372) Asp. Tox. 1 (H304)		01-2119458049-33-XXXX

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				Aquatic Chronic 2 (H411) Flam. Liq. 3 (H226) (EUH066)		
Diethylene glycol monobutyl ether	203-961-6	112-34-5	1- <2.5	Eye Irrit. 2 (H319)		01-2119475104-44-XXXX
3-Iodo-2-propynyl butylcarbamate [IPBC]	259-627-5	55406-53-6	0.1 - <1	STOT RE 1 (H372) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Acute Tox. 4 (H302) Acute Tox. 3 (H331) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (M Factor Acute = 10) (M Factor Chronic = 1)		-
Cobalt bis(2-ethylhexanoate)	205-250-6	136-52-7	0.1 - <1	Eye Irrit. 2 (H319) Skin Sens. 1A (H317) Repr. 1B (H360f) Aquatic Acute 1 (H400) Aquatic Chronic 3 (H412)		01-2119524678-29-XXXX
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	255-437-1	41556-26-7	0.1 - <1	Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		-
Hexanoic acid, 2-ethyl-, zinc salt, basic	286-272-3	85203-81-2	0.1 - <1	Eye Irrit. 2 (H319) Repr. 2 (H361d) Aquatic Chronic 3 (H412)		01-2119979093-30-XXXX
Dipropylene glycol monomethyl ether	252-104-2	34590-94-8	0.1 - <1	^		01-2119450011-60-XXXX
Calcium bis(2-ethylhexanoate)	205-249-0	136-51-6	0.1 - <1	Eye Dam. 1 (H318) Repr. 2 (H361d)		01-2119978297-19-xxxx
2-Butanone, oxime	202-496-6	96-29-7	0.1 - <1	Acute Tox. 3 (H301) Acute Tox. 4 (H312) Skin Irrit. 2 (H315)		01-2119539477-28-XXXX

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				Eye Dam. 1 (H318) Skin Sens. 1 (H317) Carc. 1B (H350) STOT SE 3 (H336) STOT SE 1 (H370) STOT RE 2 (H373)		
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Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.
Inhalation	Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Rinse mouth. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.
Self-protection of the first aider	Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more information. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

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

Symptoms Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

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

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be used unless the risk is justified by the presence of additional toxic substances.

SECTION 5: Firefighting measures

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5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Product is or contains a sensitiser. May cause sensitisation by skin contact.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Avoid breathing vapours or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use

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grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and shoes.

General hygiene considerations Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

Recommended storage temperature Keep at temperatures between 5 and 25 °C.

7.3. Specific end use(s)

Specific use(s)
Restricted to professional users. Paints and varnishes.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Ireland	United Kingdom
Hydrocarbons, C10-C13, alkanes, isoalkanes, cyclics, <2% aromatics RR-113412-9	-	-	Vapour RCP-TWA 1200 mg/m ³ 184 ppm Total hydrocarbons (ExxonMobil)
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) RR-91855-8	-	-	TWA: 350 mg/m ³
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³
Cobalt bis(2-ethylhexanoate) 136-52-7	-	TWA: 0.02 mg/m ³ STEL: 0.3 mg/m ³ Sensitizer	TWA: 0.1 mg/m ³ Capable of causing occupational asthma
1,2-Propylene glycol 57-55-6	-	TWA: 10 mg/m ³ TWA: 150 ppm TWA: 470 mg/m ³ STEL: 1410 mg/m ³ STEL: 30 mg/m ³ STEL: 450 ppm	TWA: 150 ppm TWA: 474 mg/m ³ TWA: 10 mg/m ³ STEL: 450 ppm STEL: 1422 mg/m ³ STEL: 30 mg/m ³
Dipropylene glycol monomethyl ether	TWA: 50 ppm TWA: 308 mg/m ³	TWA: 50 ppm TWA: 308 mg/m ³	TWA: 50 ppm TWA: 308 mg/m ³

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34590-94-8	*	STEL: 150 ppm STEL: 924 mg/m ³ Sk*	STEL: 150 ppm STEL: 924 mg/m ³ Sk*
2-Butanone, oxime 96-29-7	-	TWA: 3 ppm TWA: 10 mg/m ³ STEL: 10 ppm STEL: 33 mg/m ³ Sensitizer	-

Chemical name	European Union	Ireland	United Kingdom
Hydrocarbons, C10-C13, alkanes, isoalkanes, cyclics, <2% aromatics RR-113412-9	-	-	1200 mg/m ³ 171ppm 8h TWA

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)			
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (RR-91855-8)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	330 mg/m ³	
worker Long term Systemic health effects	Dermal	44 mg/kg bw/d	

Cobalt bis(2-ethylhexanoate) (136-52-7)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Local health effects	Inhalation	235.1 µg/cm ²	

Calcium bis(2-ethylhexanoate) (136-51-6)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects worker	Inhalation	39.98 mg/m ³	
Long term Systemic health effects worker	Dermal	5.67 mg/kg bw/d	

2-Butanone, oxime (96-29-7)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
DNEL/DMEL Long term Systemic health effects	Inhalation	0.028 mg/m ³	
Long term Local health effects	Inhalation	0.9 mg/m ³	
DNEL/DMEL Long term Systemic health effects	Dermal	0.004 mg/kg bw/d	

Derived No Effect Level (DNEL)			
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (RR-91855-8)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor

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Consumer Long term Systemic health effects	Inhalation	71 mg/m ³	
Consumer Long term Systemic health effects	Dermal	26 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	26 mg/kg bw/d	

Cobalt bis(2-ethylhexanoate) (136-52-7)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Local health effects	Inhalation	37 µg/cm ²	
Consumer Long term Systemic health effects	Oral	55.8 µg/Kg bw/day	

Calcium bis(2-ethylhexanoate) (136-51-6)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects Consumer	Inhalation	9.86 mg/m ³	
Long term Systemic health effects Consumer	Dermal	2.83 mg/kg bw/d	
Long term Systemic health effects Consumer	Oral	2.83 mg/kg bw/d	

2-Butanone, oxime (96-29-7)			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects	Inhalation	0.00482 mg/m ³	
Long term Local health effects	Dermal	0.43 mg/m ³	

Predicted No Effect Concentration (PNEC) No information available.

Predicted No Effect Concentration (PNEC)	
Cobalt bis(2-ethylhexanoate) (136-52-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	3 µg/l
Marine water	2.36 µg/l
Sewage treatment plant	0.37 µg/l
Freshwater sediment	9.5 mg/kg dry weight
Marine sediment	9.5 µg/l
Soil	10.9 mg/kg dry weight

8.2. Exposure controls

Engineering controls

Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.

Personal protective equipment

Eye/face protection

Tight sealing safety goggles.

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Hand protection	Wear protective gloves. Gloves must conform to standard EN 374. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature. Gloves should be replaced regularly and if there is any sign of damage to the glove material.
Skin and body protection	Antistatic footwear. Wear fire/flammable resistant/retardant clothing. Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.
Respiratory protection	In case of inadequate ventilation wear respiratory protection. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
Recommended filter type:	Organic gases and vapours filter conforming to EN 14387.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Colour	Green
Odour	Petroleum distillates
Odour threshold	No information available

Property	Values	Remarks • Method
pH	No data available	Not applicable Insoluble in water
pH (as aqueous solution)	No data available	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	51 °C	
Evaporation rate	No data available	
Flammability	Not applicable for liquids .	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	
Relative vapour density	No data available	
Relative density	0.912 - 0.932	
Water solubility	No data available	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive properties	No data available	
Oxidising properties	No data available	

9.2. Other information

Solid content (%)	No information available
VOC Content (%)	
Density	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

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Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions. Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. May cause irritation.

Skin contact May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Repeated exposure may cause skin dryness or cracking.

Ingestion Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 75,600.50 mg/kg

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ATEmix (inhalation-dust/mist) 123.30 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrocarbons, C10-C13, alkanes, isoalkanes, cyclics, <2% aromatics RR-113412-9	DL50 >5000 mg/kg (Rattus)	DL50 >2000 mg/kg (Oryctolagus cuniculus)	LC50 (8h) >5000 mg/m ³ Rat - Vapours
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics --	LD50 >2000 mg/kg (Rattus)	>3000 mg/Kg (Rattus)	Ld50 (4h)>5.6mg/L (Rattus)
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) RR-91855-8	LD50 >15000 mg/Kg (Rattus) OECD 401	LD50 > 3400 mg/kg (Rattus) OECD 402	LC50 (4hrs) >13.1 mg/l (Rattus)
Diethylene glycol monobutyl ether 112-34-5	=5660 mg/kg (Rattus)	= 2700 mg/kg (Oryctolagus cuniculus)	
3-Iodo-2-propenyl butylcarbamate [IPBC] 55406-53-6	LD50 =300-500 mg/Kg (Rattus)	LD50 >2000 mg/Kg (Rattus)	=0.67 mg/L (Rattus) 4 h
Cobalt bis(2-ethylhexanoate) 136-52-7	3125 mg/Kg (Rattus) (OECD 425)	> 5000 mg/kg (Oryctolagus cuniculus)	>10 mg/L (Rattus) 1 h
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 41556-26-7	=2615 mg/kg (Rattus)		
Hexanoic acid, 2-ethyl-, zinc salt, basic 85203-81-2		> 2000 mg/kg (Rat)	
Dipropylene glycol monomethyl ether 34590-94-8	=5.35 g/kg (Rattus)	= 9500 mg/kg (Oryctolagus cuniculus)	
Calcium bis(2-ethylhexanoate) 136-51-6	>5000 mg/kg (Rattus)	=2045 mg/Kg (Rattus) (OECD 401)	>4.8 mg/L (Rattus) 1 h
2-Butanone, oxime 96-29-7	=100 mg/kg (ATE)	1000 - 1800 mg/kg (Oryctolagus cuniculus)	>4.83 mg/L (Rattus) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation May cause sensitisation by skin contact.

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

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

Chemical name	European Union
2-Butanone, oxime 96-29-7	Carc. 1B

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The table below indicates whether each agency has listed any ingredient as a carcinogen.

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May damage fertility or the unborn child.

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 May be fatal if swallowed and enters airways.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Hydrocarbons, C10-C13, alkanes, isoalkanes, cyclics, <2% aromatics RR-113412-9	LEO (72h) =1000 mg/L Algae (Pseudokirchneriella subcapitata)	LLO (96h) =1000 mg/L (Oncorhynchus mykiss)	-	LEO (48h) =1000 mg/L (Daphnia magna)		
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics --	-	LC50 (96h) >1000 mg/L Oncorhynchus mykiss	-	LL50 (48h) >1000 mg/L Daphnia magna		
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) RR-91855-8	EL50 (72h) = 4.1 mg/l (Pseudokirchneriella subcapitata) OECD 401	10-30 mg/l	-	10-30mg/l (daphnia magna)		
Diethylene glycol monobutyl ether 112-34-5	EC50: >100mg/L (96h, Desmodemus subspicatus)	LC50: =1300mg/L (96h, Lepomis macrochirus)	-	EC50: =2850mg/L (24h, Daphnia magna) EC50: >100mg/L (48h, Daphnia magna)		
3-Iodo-2-propynyl butylcarbamate [IPBC] 55406-53-6	EC50 (72 hrs) 0.022 mg/l Scenedesmus subspicatus	LC50 96 h 0.049 - 0.079 mg/L (Oncorhynchus mykiss)	-	Acute EC50 (48hrs) 0.16 mg/l - Daphnia magna	10	1

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		flow-through)				
Cobalt bis(2-ethylhexanoate) 136-52-7	-	EC50 1.5 mg/L dissolved cobalt - read-across	-	-	1	
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 41556-26-7	-	LC50: =0.97mg/L (96h, Lepomis macrochirus)	-	EC50: =20mg/L (24h, Daphnia magna)		
Hexanoic acid, 2-ethyl-, zinc salt, basic 85203-81-2	-	LC50: =100mg/L (96h, Cyprinus carpio)	-	-		
Dipropylene glycol monomethyl ether 34590-94-8	-	LC50: >10000mg/L (96h, Pimephales promelas)	-	LC50: =1919mg/L (48h, Daphnia magna)		
2-Butanone, oxime 96-29-7	EC50: =83mg/L (72h, Desmodesmus subspicatus)	LC50: =760mg/L (96h, Poecilia reticulata) LC50: 777 - 914mg/L (96h, Pimephales promelas) LC50: 320 - 1000mg/L (96h, Leuciscus idus)	EC50 = 281 mg/L 17 h EC50 = 950 mg/L 5 min	EC50: =750mg/L (48h, Daphnia magna)		

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
3-Iodo-2-propynyl butylcarbamate [IPBC] 55406-53-6	2.88	-
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 41556-26-7	0.37	-
Dipropylene glycol monomethyl ether 34590-94-8	-0.064	-
2-Butanone, oxime 96-29-7	0.65	5.8

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment . The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Hydrocarbons, C10-C13, alkanes, isoalkanes, cyclics, <2% aromatics RR-113412-9	The substance is not PBT / vPvB

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Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) RR-91855-8	The substance is not PBT / vPvB
Diethylene glycol monobutyl ether 112-34-5	The substance is not PBT / vPvB PBT assessment does not apply
3-Iodo-2-propynyl butylcarbamate [IPBC] 55406-53-6	The substance is not PBT / vPvB PBT assessment does not apply
Cobalt bis(2-ethylhexanoate) 136-52-7	The substance is not PBT / vPvB PBT assessment does not apply
Hexanoic acid, 2-ethyl-, zinc salt, basic 85203-81-2	PBT assessment does not apply
Dipropylene glycol monomethyl ether 34590-94-8	The substance is not PBT / vPvB
Calcium bis(2-ethylhexanoate) 136-51-6	PBT assessment does not apply
2-Butanone, oxime 96-29-7	The substance is not PBT / vPvB

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances 15 01 10*: Packaging containing residues of or contaminated by dangerous substances
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN number or ID number	UN1263
14.2 Proper Shipping Name	Paint related material
14.3 Transport hazard class(es)	3
Labels	3
14.4 Packing group	III
Description	UN1263, Paint related material, 3, III, (D/E), Environmentally Hazardous
14.5 Environmental hazards	Yes
14.6 Special Provisions	163, 650, 367
Classification code	F1
Tunnel restriction code	(D/E)
Limited Quantity (LQ)	5 L
ADR Hazard Id (Kemmler Number)	30

IMDG

14.1 UN number or ID number	UN1263
14.2 Proper Shipping Name	Paint related material (3-Iodo-2-propynyl butylcarbamate [IPBC])

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14.3 Transport hazard class(es)	3
14.4 Packing group	III
Description	UN1263, Paint related material (3-Iodo-2-propynyl butylcarbamate [IPBC]), 3, III, (51°C c.c.), Marine Pollutant
14.5 Marine pollutant	P
14.6 Special Provisions	163, 223, 367, 955
Limited Quantity (LQ)	5 L
EmS-No	F-E, S-E
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number	UN1263
14.2 Proper Shipping Name	Paint related material
14.3 Transport hazard class(es)	3
14.4 Packing group	III
Description	UN1263, Paint related material, 3, III
14.5 Environmental hazards	Yes
14.6 Special Provisions	A3, A72, A192
Limited Quantity (LQ)	10 L
ERG Code	3L

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No	Restricted substance per REACH Annex XVII
Diethylene glycol monobutyl ether	112-34-5	55.

CAS 112-34-5 restricted for use in aerosol products sold to general public. Products for general public with level above 3% should be labeled "Do not use in paint spraying equipment".

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Dangerous substance category per Seveso Directive (2012/18/EU)

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

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P5c - FLAMMABLE LIQUIDS
E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009
Not applicable

Persistent Organic Pollutants
Not applicable

National regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

EUH066 - Repeated exposure may cause skin dryness or cracking
H226 - Flammable liquid and vapour
H301 - Toxic if swallowed
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
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H336 - May cause drowsiness or dizziness
H350 - May cause cancer
H360F - May damage fertility
H361d - Suspected of damaging the unborn child
H370 - Causes damage to organs
H372 - Causes damage to organs through prolonged or repeated exposure
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
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue

Key literature references and sources for data

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No information available

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Revision date 13-Apr-2021

Indication of changes

Revision note Not applicable.

Training Advice Provide adequate information, instruction, and training for operator

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

End of Safety Data Sheet