SAFETY DATA SHEET
Bijlard Spuitlijm 2514R

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

1.1. Product identifier

Product name Bijlard Spuitlijm 2514R

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

Identified uses Adhesive

Uses advised against Applications involving the use of naked flames and static discharges

1.3. Details of the supplier of the safety data sheet

Supplier

Bijlard International
Platinastraat 141
2718 SR Zoetermeer
The Netherlands
+31 79 343 7538
+31 79 343 7539
info@bijlard.com

1.4. Emergency telephone number

Emergency telephone +31 79 343 7538

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Repr. 2 - H361d STOT SE 3 - H336

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram

Signal word Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains ROSIN. May produce an allergic reaction.

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Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P243 Take precautionary measures against static discharge. P261 Avoid breathing vapour/spray. P273 Avoid release to the environment. P280 Wear protective gloves, eye and face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P403+P235 Store in a well-ventilated place. Keep cool.
Contains	Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane, BUTANONE, TOLUENE, ACETONE
Supplementary precautionary statements	P242 Use only non-sparking tools. P264 Wash contaminated skin thoroughly after handling. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+P313 IF exposed or concerned: Get medical advice/attention. P404 Store in a closed container. P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane **30-60%**

CAS number: — EC number: 921-024-6 REACH registration number: 01-2119475514-35

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
STOT SE 3 - H336
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

BUTANONE **10-30%**

CAS number: 78-93-3 EC number: 201-159-0 REACH registration number: 01-2119457290-43-XXXX

Classification
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

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TOLUENE **5-10%**

CAS number: 108-88-3 EC number: 203-625-9 REACH registration number: 01-21194713110-51

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Repr. 2 - H361d
STOT SE 3 - H336
STOT RE 2 - H373
Asp. Tox. 1 - H304

ACETONE **5-10%**

CAS number: 67-64-1 EC number: 200-662-2 REACH registration number: 01-2119471330-49-XXXX

Classification
Flam. Liq. 2 - H225
Eye Irrit. 2 - H319
STOT SE 3 - H336

Magnesium Oxide **<1%**

CAS number: 1309-48-4 EC number: 215-171-9

Classification
Not Classified

Zinc Oxide **<1%**

CAS number: 1314-13-2 EC number: 215-222-5

M factor (Acute) = 1 M factor (Chronic) = 1

Classification
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

ROSIN **<1%**

CAS number: 8050-09-7 EC number: 232-475-7

Classification
Skin Sens. 1 - H317

Talc **<1%**

CAS number: 14807-96-6 EC number: 238-877-9

Classification
Not Classified

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Remove affected person from source of contamination. Remove contaminated soaked clothing immediately and dispose of safely

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water.

Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information Chemical burns must be treated by a physician. Get medical attention immediately.

Inhalation Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion May cause stomach pain or vomiting.

Skin contact Prolonged contact may cause redness, irritation and dry skin.

Eye contact May cause temporary eye irritation.

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

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Carbon dioxide (CO_2). Alcohol-resistant foam. Powder.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products When heated, vapours/gases hazardous to health may be formed.

5.3. Advice for firefighters

Protective actions during firefighting Move containers from fire area if it can be done without risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.

Special protective equipment for firefighters Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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Personal precautions Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. Take precautionary measures against static discharges. This product is a sprayable product and if applied in in such away, appropriate PPE and engineering measures should be taken to protect operators from the vapours.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store in tightly-closed, original container.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description Contact with skin and eyes and inhalation of vapours must be avioded under all circumstances. This product is a sprayable product and if applied in in such away, appropriate PPE and engineering measures should be taken to protect operators from the vapours.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

BUTANONE

Long-term exposure limit (8-hour TWA): 200 600
Short-term exposure limit (15-minute): 300 899
Sk

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³
Sk

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³
Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

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Magnesium Oxide

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³
Short-term exposure limit (15-minute): WEL

ROSIN

Long-term exposure limit (8-hour TWA): WEL 0,05 mg/m³
Short-term exposure limit (15-minute): WEL 0,15 mg/m³
Sen

Talc

Long-term exposure limit (8-hour TWA): WEL 1 mg/m³

WEL = Workplace Exposure Limit
Sk = Can be absorbed through skin.
Sen = Capable of causing occupational asthma.

Ingredient comments WEL = Workplace Exposure Limits

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane

DNEL
Consumer - Oral; Long term systemic effects: 699 mg/kg/day
Industry - Oral; Long term systemic effects: 2035 mg/kg/day
Consumer - Dermal; Long term systemic effects: 699 mg/kg/day
Industry - Dermal; Long term systemic effects: 773 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 608 mg/m³

BUTANONE (CAS: 78-93-3)

DNEL
Industry - Inhalation; Short term local effects: 600 mg/kg/day
Industry - Dermal; : 1161 mg/kg/day
Consumer - Dermal; : 412 mg/kg/day
Consumer - Inhalation; : 106 mg/m³

PNEC
- Fresh water; 55.8 mg/l
- Sediment; 284.74 mg/kg
- Soil; 22.5 mg/kg

ACETONE (CAS: 67-64-1)

DNEL
Industry - Dermal; Long term : 186 mg/kg/day
Industry - Inhalation; Short term : 2420 mg/m³
Industry - Inhalation; Long term : 1210 mg/m³
Consumer - Oral; Long term : 62 mg/kg/day
Consumer - Dermal; Long term : 62 mg/kg/day
Consumer - Inhalation; Long term : 200 mg/m³

PNEC
- Fresh water; 10.6 mg/l
- Marine water; 1.06 mg/l
- Intermittent release; 21 mg/l
- Sediment (Freshwater); 30.4 mg/kg
- Sediment (Marinewater); 3.04 mg/kg
- STP; 100 mg/l
- Soil; 29.5 mg/kg

8.2. Exposure controls

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Protective equipment

Appropriate engineering controls	Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. Dust may form explosive mixture with air. Take precautionary measures against static discharges.
Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.
Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station. Provide eyewash station and safety shower. Wash contaminated clothing before reuse. Use appropriate skin cream to prevent drying of skin. Wash promptly if skin becomes contaminated. Change work clothing daily before leaving workplace.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Red.
Odour	Characteristic.
Odour threshold	Not available. Not available.
pH	Not available. Not determined.
Melting point	Not available.
Initial boiling point and range	80°C @
Flash point	-20°C
Evaporation rate	MODERATE
Evaporation factor	Not available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.82 @ °C
Bulk density	Not available.
Solubility(ies)	Not available. Insoluble in water. Soluble in the following materials: Organic solvents.
Partition coefficient	Not available.

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Auto-ignition temperature	Not determined.
Decomposition Temperature	Not available.
Viscosity	Non-vscous @ °C
Explosive properties	No information available.
Comments	Information given is applicable to the product as supplied. Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

9.2. Other information

Refractive index	Not applicable.
Particle size	Not available.
Molecular weight	Not applicable.
Volatility	Not available.
Critical temperature	Not available.
Volatile organic compound	Not available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. When heated, vapours/gases hazardous to health may be formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects Information given below for the mixture is based upon the results of the calculation method. Some of the information given is also taken from data given for the individual ingredients of the mixture.

Acute toxicity - oral

Notes (oral LD_{50}) Not determined.

Acute toxicity - dermal

Notes (dermal LD_{50}) Not determined.

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Acute toxicity - inhalation

Notes (inhalation LC_{50})	Not determined.

General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	Vapour from this product may be hazardous by inhalation. Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Skin contact	Prolonged contact may cause dryness of the skin. Repeated exposure may cause skin dryness or cracking. Irritating to skin.
Eye contact	Irritating to eyes.
Acute and chronic health hazards	Prolonged contact may cause redness, irritation and dry skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer. Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Central and/or peripheral nervous system damage. Brain damage.
Route of entry	Ingestion. Inhalation Skin and/or eye contact
Target organs	Brain Respiratory system, lungs Mucous membranes Skin
Medical symptoms	Skin irritation. Irritation of eyes and mucous membranes. Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.
Medical considerations	Skin disorders and allergies. Convulsions. Central nervous system depression. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

Toxicological information on ingredients.

BUTANONE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,000.0
Species	Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rabbit

TOLUENE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,000.0
Species	Rat

Acute toxicity - dermal

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Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rabbit
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} vapours mg/l)	20.0
Species	Rat
ATE inhalation (vapours mg/l)	20.0

ACETONE

Acute toxicity - oral	
Acute toxicity oral (LD_{50} mg/kg)	5,800.0
Species	Rat
Acute toxicity - dermal	
Acute toxicity dermal (LD_{50} mg/kg)	7,800.0
Species	Rat
Acute toxicity - inhalation	
Acute toxicity inhalation (LC_{50} dust/mist mg/l)	20.0
Species	Rat
Notes (inhalation LC_{50})	
ATE inhalation (dusts/mists mg/l)	20.0

SECTION 12: Ecological Information

Ecotoxicity The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.1. Toxicity

Toxicity The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. Information given below for the mixture is based upon the results of the calculation method. Some of the information given is also taken from data given for the individual ingredients of the mixture.

Acute toxicity - fish Not determined.

Acute toxicity - aquatic invertebrates Not determined.

Acute toxicity - aquatic plants Not determined.

Acute toxicity - microorganisms Not determined.

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Acute toxicity - terrestrial	Not determined.
Chronic toxicity - fish early life stage	Not determined.
Short term toxicity - embryo and sac fry stages	Not determined.
Chronic toxicity - aquatic invertebrates	Not determined.

Ecological information on ingredients.

BUTANONE

Acute toxicity - fish	LC_{50}, 48 hours: 100 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >100 mg/l, Daphnia magna

TOLUENE

Acute toxicity - fish	LC_{50}, 96 hours: >1 <=10 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >1<=10 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: >100 mg/l, Algae

ACETONE

Acute toxicity - fish	LC_{50}, 96 hours: 5540 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic plants	NOEC, 96 hours: 430 mg/l, Marinewater plants

12.2. Persistence and degradability

Persistence and degradability	There are no data on the degradability of this product.
Phototransformation	Not relevant.
Stability (hydrolysis)	Not determined.
Biodegradation	Not determined.
Biological oxygen demand	Not determined.
Chemical oxygen demand	Not determined.

Ecological information on ingredients.

ACETONE

Persistence and degradability	The product is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
Partition coefficient	Not available.

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Ecological information on ingredients.

ACETONE

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Adsorption/desorption coefficient Not determined.

Henry's law constant Not determined.

Surface tension Not determined.

Ecological information on ingredients.

ACETONE

Mobility The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is water-soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not known.

Ecological information on ingredients.

ACETONE

Other adverse effects WGK 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is suitable for incineration.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General Wear protective clothing as described in Section 8 of this safety data sheet.

Road transport notes Avoid releasing into the environment.

Rail transport notes Avoid releasing into the environment.

Sea transport notes Do not release into the environment.

14.1. UN number

UN No. (ADR/RID) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

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14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ADHESIVES (Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclic, <5% n-hexane)
Proper shipping name (IMDG)	ADHESIVES (Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclic, <5% n-hexane)
Proper shipping name (ICAO)	ADHESIVES (Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclic, <5% n-hexane)
Proper shipping name (ADN)	ADHESIVES (Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclic, <5% n-hexane)

14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID label	3
IMDG class	3
ICAO class/division	3

Transport labels

14.4. Packing group

IMDG packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS	F-E, S-D
Emergency Action Code	•3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

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

National regulations	The Carraige of Dangerous Goods and use of Transportable Pressure Equipment Regulations 2009 as amended(SI 2009/1348) The Control of Substances Hazardous to Health Regulations 2002. (SI 2002 No 2677) as ammended

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EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010. 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) (as amended).
Guidance	EH40/2005 Workplace exposure limits L131 Approved Classification and Labelling Guide (Sixth Edition)
Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

General information	Only trained personnel should use this material.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	08/03/2016
Revision	7
Supersedes date	03/02/2016
SDS status	Approved.
Hazard statements in full	H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. 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. EUH208 Contains ROSIN. May produce an allergic reaction.