SAFETY DATA SHEET
Contact Kit
According to Regulation (EC) No 1907/2006, Annex II, as amended.

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

1.1. Product identifier

Product name Contact Kit

Product number 129556

Synonyms; trade names CONTACT ADHESIVE

UFI UFI: TYSJ-SC1C-T00C-FH37

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 Non-industrial, non-professional uses.

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 (0) 79-3437538

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Flam. Liq. 2 - H225

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

Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms

Signal word Danger

Contact Kit

Hazard statements	EUH208 Contains ROSIN. May produce an allergic reaction. H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P243 Take action to prevent static discharges. P261 Avoid breathing vapour/ spray. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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, acetone, CYCLOHEXANE
Supplementary precautionary statements	P242 Use 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 or 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

3.1. Substances

Content

3.2. Mixtures

Hydrocarbons, C6-C7,n-alkanes, isoalkanes,cyclics, <5% n-hexane **30-40%**

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

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BUTANONE **20-30%**

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

ACETONE **10-20%**

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

CYCLOHEXANE **3-5%**

CAS number: 110-82-7 EC number: 203-806-2 REACH registration number: 01-2119463273-41-XXXX

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

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
STOT SE 3 - H336
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Magnesium Oxide **<1.0%**

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

Classification
Not Classified

ROSIN **<1.0%**

CAS number: 8050-09-7 EC number: 232-475-7 REACH registration number: 01-2119480418-32-XXXX

Classification
Skin Sens. 1 - H317

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Talc	**<1.0%**
CAS number: 14807-96-6	EC number: 238-877-9
Classification Acute Tox. 4 - H332 STOT SE 3 - H335	

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene		**<1.0%**
CAS number: 68610-51-5	EC number: 271-867-2	REACH registration number: 01-2119496062-39-XXXX
Classification Repr. 2 - H361d Aquatic Chronic 4 - H413		

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

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. Water spray, fog or mist.

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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

Personal precautions Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. Take precautionary measures against static discharges.

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.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

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Occupational exposure limits

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 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

CYCLOHEXANE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 350 mg/m³
Short-term exposure limit (15-minute): WEL 300 ppm 1050 mg/m³

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

Hydrocarbons,C7, n-alkanes, isoalkanes, cyclics

Long-term exposure limit (8-hour TWA): OEL = Occupational Exposure Limit 500 ppm 2085 mg/m³

WEL = Workplace Exposure Limit.
Sen = Capable of causing occupational asthma.

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
Consumer - Dermal; Long term systemic effects: 31 mg/kg

PNEC

- Fresh water; 55.8 mg/l
- Sediment (Marinewater); 284.74 mg/kg
- Soil; 22.5 mg/kg
marine water; 55.8 mg/l
Intermittent release; 55.8 mg/l
Sediment (Freshwater); 284.7 mg/kg
STP; 709 mg/l
- Food. Secondary poisoning; 1000 mg/kg

ACETONE (CAS: 67-64-1)

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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

CYCLOHEXANE (CAS: 110-82-7)

Ingredient comments

WEL = Workplace Exposure Limits

DNEL

Consumer - Oral; Long term systemic effects: 59.4 mg/kg/day
Consumer - Dermal; Long term systemic effects: 1186 mg/kg/day
Industry - Dermal; Long term systemic effects: 2016 mg/kg/day
Consumer - Inhalation; Short term local effects: 412 mg/m³
Consumer - Inhalation; Short term systemic effects: 412 mg/m³
Industry - Inhalation; Short term systemic effects: 700 mg/m³
Industry - Inhalation; Short term local effects: 700 mg/m³
Industry - Inhalation; Long term local effects: 700 mg/m³
Industry - Inhalation; Long term systemic effects: 700 mg/m³

PNEC

Industry - Fresh water; 0.207 mg/l
Industry - Sediment (Freshwater); 3.627 mg/l
Industry - STP; 3.24 mg/l
Industry - Soil; 2.99 mg/l

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene (CAS: 68610-51-5)

DNEL

Workers - Inhalation; Long term systemic effects: 0.35 mg/m³
Workers - Dermal; Long term systemic effects: 4 mg/kg/day
Workers - Oral; Long term systemic effects: 0.8 mg/kg/day

PNEC

- Fresh water; 0.01 mg/l
- marine water; 0.002 mg/l
- Sediment (Freshwater); 426.6 mg/kg
- Sediment (Marinewater); 85.25 mg/kg
- STP; 100 mg/l
- ;

Hydrocarbons, C6 isoalkanes <5% n-hexane

DNEL

Consumer - Oral; Long term systemic effects: 1301 mg/kg/day
Consumer - Dermal; Long term systemic effects: 1377 mg/kg/day
Industry - Dermal; Long term systemic effects: 13964 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 1131 mg/m³
Industry - Inhalation; Long term systemic effects: 5306 mg/m³

Hydrocarbons,C7, n-alkanes, isoalkanes, cyclics

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DNEL	Industry - Dermal; Long term : 300 mg/kg/day Industry - Inhalation; Long term : 2085 mg/m³ Consumer - Dermal; Long term : 149 mg/kg/day Consumer - Inhalation; Long term : 447 mg/m³
PNEC	No PNEC data available

8.2. Exposure controls

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. Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. 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	CREAM
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.

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Other flammability	No information available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.82
Bulk density	Not available.
Solubility(ies)	Not available. Insoluble in water. Soluble in the following materials: Organic solvents.
Partition coefficient	Not available.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not available.
Viscosity	>20 m²/s @ 40°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.
Density	
Relative vapour density	
Water solubility	
Viscosity, dynamic	

9.2. Other information

Refractive index	Not applicable.
Particle size	Not available.
Molecular weight	Not applicable.
Volatility	Not available.
Critical temperature	Not available.
Solvent content:	
Volatile organic compound	Not available.
Solids content:	
Water:	

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. Avoid heat.

10.4. Conditions to avoid

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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 for the mixture in sect 3 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.

Acute toxicity - inhalation

Notes (inhalation LC_{50}) Not determined.

Skin corrosion/irritation

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation Causes serious eye irritation.

Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard

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Aspiration hazard	Based on available data the classification criteria are not met.
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.
Eye contact	Repeated exposure may cause chronic eye irritation.
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 exposure to vapours in high concentrations may cause the following adverse effects: Central and/or peripheral nervous system damage. Brain damage.
Route of exposure	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.

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

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} >5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LD_{50} >20 mg/l, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation	Causes skin irritation.

Serious eye damage/irritation

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

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	No information available.

Germ cell mutagenicity

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Genotoxicity - in vitro	No information available.
Genotoxicity - in vivo	No information available.

Carcinogenicity

Carcinogenicity	No information available.
Target organ for carcinogenicity	No specific target organs known.
IARC carcinogenicity	Not listed.

Reproductive toxicity

Reproductive toxicity - fertility	No information available.
Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure	May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	No information available.

Aspiration hazard

Aspiration hazard	May be fatal if swallowed and enters airways.

BUTANONE

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} >2193 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >5000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	34.0
Species	Rat
ATE inhalation (vapours mg/l)	34.0

Skin corrosion/irritation

Skin corrosion/irritation	Not irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Causes eye irritation.

Respiratory sensitisation

Respiratory sensitisation	Not sensitising.

Skin sensitisation

Skin sensitisation	Not sensitising.

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Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Carcinogenicity in humans is not expected.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	A single exposure may cause the following adverse effects: Drowsiness, dizziness, disorientation, vertigo.
Target organs	Central nervous system

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

ACETONE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,800.0
Species	Rat
ATE oral (mg/kg)	5,800.0

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >15800 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	76.0
Species	Rat
ATE inhalation (vapours mg/l)	76.0

Skin corrosion/irritation

Skin corrosion/irritation	Based on available data the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye damage.

Respiratory sensitisation

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Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Carcinogenicity in humans is not expected.

Reproductive toxicity

Reproductive toxicity - fertility	This substance has no evidence of toxicity to reproduction.
Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure	A single exposure may cause the following adverse effects: Drowsiness, dizziness, disorientation, vertigo.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure. NOAEL 900 mg/kg/day, Oral, Rat NOAEC 22500 mg/m³, Inhalation, Rat

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

CYCLOHEXANE

Acute toxicity - oral

Notes (oral LD_{50})	LC50 >5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	32.88
Notes (inhalation LC_{50})	LC50 32.88 mg/l, Inhalation, Rat
ATE inhalation (vapours mg/l)	32,880.0

Skin corrosion/irritation

Skin corrosion/irritation	Causes skin irritation.

Serious eye damage/irritation

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

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

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Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	STOT SE 3 May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard	May be fatal if swallowed and enters airways.

ROSIN

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} >2000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >2000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Data lacking.

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	May cause an allergic skin reaction.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
Notes (oral LD_{50})	LD_{50} >5000 mg/kg, Oral, Rat NOAEL 50 mg/kg/day, Oral, Rabbit NOAEL, (USA HPV Program - Repeated Dose Toxicity - Subchronic 90 day feeding study - Increased liver wt and increased adrenal wt (females only) at 1500 ppm and higher 25 mg/kg/day, Oral, Rat NOAEL, USA HPV - Program - Maternal Tox 1000 mg/kg/day, Oral, Rat ED05, BMD (Benchmark Dose) - substance shows a slight increase in the incidence of common fetal skeletal variations 740 mg/kg/day, Oral, Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rabbit
Notes (dermal LD_{50})	LD_{50} >2000 mg/kg, Dermal, Rabbit NOAEL, Repeat dose toxicity, long term systemic effects 160.8 mg/kg/day, Dermal, Rat NOAEL 25 mg/kg/day, Oral, Rat USA HPV-Program - Repeated Dose Toxicity - Subchronic 90-Day feeding study - Increased liver wt and increased adrenal wt (females only) at 1500 ppm and higher. 1000 mg/kg/day (rat) USA HPV-Program - Maternal Tox

Acute toxicity - inhalation

Notes (inhalation LC_{50})	NOAEC, Repeat dose toxicity, long term systemic effects 28.8 mg/m³, Inhalation, Rat LC50/1,0h >163 mg/l, Inhalation, Rat

Skin corrosion/irritation

Skin corrosion/irritation	May cause skin abrasion.

Serious eye damage/irritation

Contact Kit

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

Respiratory sensitisation

Respiratory sensitisation	May cause sensitisation or allergic reactions in sensitive individuals.

Skin sensitisation

Skin sensitisation	May cause sensitisation by skin contact.

Carcinogenicity

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

Reproductive toxicity

Reproductive toxicity - development	Suspected of damaging the unborn child.

Specific target organ toxicity - single exposure

STOT - single exposure	Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

Hydrocarbons, C6 isoalkanes <5% n-hexane

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	16,750.0
Species	Rat
Notes (oral LD_{50})	LD_{50} >5000 ml/kg, Oral, Rat
ATE oral (mg/kg)	16,750.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	3,350.0
Species	Rabbit
Notes (dermal LD_{50})	LD_{50} 5 mg/kg, Dermal, Rabbit
ATE dermal (mg/kg)	3,350.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	259,354.0
Species	Rat
Notes (inhalation LC_{50})	LC50 20 mg/l, Inhalation, (Vapour), Rat
ATE inhalation (vapours mg/l)	259,354.0

Skin corrosion/irritation

Contact Kit

Skin corrosion/irritation	No oedema (0).
Animal data	Erythema/eschar score: 0.8 Rabbit

Serious eye damage/irritation

Serious eye damage/irritation	Redness of the conjunctivae Rabbit 0 Oedema of the conjunctivae Rabbit 0.33 Iris score: Normal (0). Cornea score: No ulceration or opacity (0).

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Not available.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	Not applicable.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Not applicable.

Aspiration hazard

Aspiration hazard	May be fatal if swallowed and enters airways.

Hydrocarbons,C7, n-alkanes, isoalkanes, cyclics

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} >5480 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >2920 mg/kg, Dermal, Rat

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC50 >23300 mg/cm², Inhalation, (Vapour), Rat

Skin corrosion/irritation

Skin corrosion/irritation	Irritating to skin.

Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met. Redness of the conjunctivae Rabbit 0 Oedema Conjunctivae score: Normal (0). Rabbit

Respiratory sensitisation

Contact Kit

Respiratory sensitisation	Not sensitising. Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	No evidence of carcinogenicity in animal studies.
Reproductive toxicity	
Reproductive toxicity - fertility	Not applicable.
Reproductive toxicity - development	Not applicable.
Specific target organ toxicity - single exposure	
STOT - single exposure	Based on available data the classification criteria are not met.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Based on available data the classification criteria are not met.
Aspiration hazard	
Aspiration hazard	Aspiration hazard if swallowed. May be fatal if swallowed and enters airways.

Inhalation	Central nervous system depression. Vapours may cause headache, fatigue, dizziness and nausea. Overexposure may depress the central nervous system, causing dizziness and intoxication.
Ingestion	The product irritates mucous membranes and may cause abdominal discomfort if swallowed. May cause nausea, headache, dizziness and intoxication. Central nervous system depression.
Skin contact	Irritating to skin.
Eye contact	The product is strongly irritating to eyes and skin.

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.

Acute aquatic toxicity

Chronic aquatic toxicity

Ecological information on ingredients.

Hydrocarbons,C7, n-alkanes, isoalkanes, cyclics

Ecotoxicity	Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Contact Kit

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 for the mixture in sect 3 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 aquatic toxicity

Acute toxicity - fish	Not determined.
Acute toxicity - aquatic invertebrates	Not determined.
Acute toxicity - aquatic plants	Not determined.
Acute toxicity - microorganisms	Not determined.
Acute toxicity - terrestrial	Not determined.

Chronic aquatic toxicity

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

Chronic toxicity in fish

Ecological information on ingredients.

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

Acute aquatic toxicity

Acute toxicity - fish	LC50, : 1-10 mg/l,
Acute toxicity - aquatic plants	EC_{50}, : 10-100 ,

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	The substance is readily biodegradable.

BUTANONE

Acute aquatic toxicity

Acute toxicity - fish	LC50, 48 hours: > 100 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: >100 mg/l, Pseudokirchneriella subcapitata
Acute toxicity - microorganisms	EC3, 16 hours: 1150 mg/l, Bacteria

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Acute aquatic toxicity

Contact Kit

Acute toxicity - fish	LC_{50}, 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout) LC_{50}, 96 hours: 11000 mg/l, Alburnus alburnus (bleak)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 8800 mg/l, Daphnia pulex (water flea) EC_{50}, 24 hours: 2100 mg/l, Artemisia salina
Acute toxicity - aquatic plants	NOEC, 96 hours: 530 mg/l, Freshwater algae NOEC, 96 hours: 430 mg/l, Marinewater algae
Acute toxicity - microorganisms	EC12, 30 minutes: 1000 mg/l, Activated sludge
Acute toxicity - terrestrial	LC_{50}, 48 hours: 0.1-1 mg/cm3, Eisenia Fetida (Earthworm) LD50, 48 hours: 20000 mg/l, Ambystoma mexicanum LD50, 48 hours: 24000 mg/l, Xenopus laevis
Chronic aquatic toxicity	
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 0.1 mg/l, Daphnia magna

CYCLOHEXANE

Acute aquatic toxicity	
LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 48 hours: 4.53 mg/l,
Acute toxicity - aquatic invertebrates	EC_{80}, 48 hours: 0.9 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: >4 mg/l, Selenastrum capricornutum
Chronic aquatic toxicity	
NOEC	0.001 < NOEC ≤ 0.01
Degradability	Rapidly degradable
M factor (Chronic)	1

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 48 hours: >1000 mg/l, Leuciscus idus (Golden orfe) LC_{50}, 96 hours: >0.2 mg/l, Oncorhynchus mykiss (Rainbow trout) ErC50, 72 hours: >0.2 mg/l, Selenastrum capricornutum NOEC, 17 hours: >=10000 mg/l, Pseudomonas putida NOEC, 72 hours: >0.2 mg/l, Selenastrum capricornutum NOELR, : 1 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >0.2 mg/l, Daphnia magna NOELR, : 1 mg/l, Daphnia magna

Hydrocarbons, C6 isoalkanes <5% n-hexane

Acute aquatic toxicity	
Acute toxicity - fish	LC50, >: > 1 mg/l,

Contact Kit

Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 1680 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, : 10-100 mg/l,

Hydrocarbons,C7, n-alkanes, isoalkanes, cyclics

Toxicity	The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.
Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hour: >13.4 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 3 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 10 mg/l,
Chronic aquatic toxicity	
Chronic toxicity - fish early life stage	NOEC, 28 days: 1.53 mg/l, Oncorhynchus mykiss (Rainbow trout)
Chronic toxicity - aquatic invertebrates	NOEC, 21 days: 1 mg/l, Daphnia magna

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.

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

Persistence and degradability	The product is readily biodegradable.
Biodegradation	The substance is readily biodegradable.

BUTANONE

Persistence and degradability	The product is biodegradable.
Biodegradation	>60% 28, days

ACETONE

Persistence and degradability	The product is readily biodegradable.

Contact Kit

Hydrocarbons,C7, n-alkanes, isoalkanes, cyclics

Biodegradation - 98: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Ecological information on ingredients.

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

Bioaccumulative potential Data lacking.

Partition coefficient No information available.

BUTANONE

Bioaccumulative potential Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

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.

Enviromental distribution

Ecological information on ingredients.

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

Mobility No data available.

BUTANONE

Mobility Not considered mobile.

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.

Ecological information on ingredients.

Contact Kit

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

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

BUTANONE

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.

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

Other adverse effects Not available.

ACETONE

Other adverse effects WGK 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is suitable for incineration. The generation of waste should be minimised or avoided wherever possible. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

Product

Uncleaned packaging

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

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ADHESIVES

Proper shipping name (IMDG) ADHESIVES

14.3. Transport hazard class(es)

Contact Kit

ADR/RID class	3
ADR/RID label	3
IMDG class	3

Transport labels

14.4. Packing group

ADR/RID packing group	II
IMDG 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)
Segregation Code	

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
Transport/Additional information	Marine Pollutant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

SECTION 15: Regulatory information

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

National regulations	The Carriage 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 amended
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). 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). Commission Regulation (EU) No 2015/830 of 28 May 2015.

Contact Kit

Guidance	EH40/2005 Workplace exposure limits L131 Approved Classification and Labelling Guide (Sixth Edition)
Authorisations (Annex XIV Regulation 1907/2006)	No specific authorisations are known for this product.
Restrictions (Annex XVII 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	03/03/2023
Revision	15
Supersedes date	03/03/2025
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. 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. H413 May cause long lasting harmful effects to aquatic life. EUH208 Contains ROSIN. May produce an allergic reaction.