SAFETY DATA SHEET
A03727

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

1.1. Product identifier

Product name A03727

Product number A03727, FP-000397, FP-000398, FP-000403, FP-002131, FP-001582, WO-3727 NN

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

Identified uses Adhesive.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier WAYSIDE ADHESIVES LTD

23 MAIN ROAD, RADCLIFFE ON TRENT, NOTTS,

NG12 2BE

T: 01159 33 33 21
E: INFO@WAYSIDEADHESIVES.COM

1.4. Emergency telephone number

Emergency telephone 01159 33 33 21

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 Skin Sens. 1 - H317 Repr. 2 - H361d STOT SE 3 - H336

Environmental hazards Aquatic Chronic 2 - H411

Physicochemical The product is highly flammable. Vapours may form explosive mixtures with air. Vapours are heavier than air and may travel along the floor and accumulate in the bottom of containers. Vapours may be ignited by a spark, a hot surface or an ember.

2.2. Label elements

Hazard pictograms

Signal word Danger

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Hazard statements	H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H361d Suspected of damaging the unborn child. H336 May cause drowsiness or dizziness. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 IF exposed or concerned: Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
Supplemental label information	RCH002b For professional users only.
Contains	hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane, butanone, TOLUENE, ACETONE, Formaldehyde, oligomeric reaction products with phenol., ROSIN
Supplementary precautionary statements	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. P261 Avoid breathing vapour/ spray. P264 Wash contaminated skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P302+P352 IF ON SKIN: Wash with plenty of water. 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. P312 Call a POISON CENTRE/doctor if you feel unwell. P321 Specific treatment (see medical advice on this label). P332+P313 If skin irritation occurs: Get medical advice/ attention. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P391 Collect spillage. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up.

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

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

CAS number: – EC number: 921-024-6 REACH registration number: 01-2119475514-35-0001

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: 01-2119457290-43-0000

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

TOLUENE **5-10%**

CAS number: 108-88-3 EC number: 203-625-9 REACH registration number: 01-2119471310-51-0051

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Repr. 2 - H361d
STOT SE 3 - H336
STOT RE 2 - H373
Asp. Tox. 1 - H304
Aquatic Chronic 3 - H412

ACETONE **5-10%**

CAS number: 67-64-1 EC number: 200-662-2 REACH registration number: 01-2119471330-49-0000

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

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Formaldehyde, oligomeric reaction products with phenol. **1-5%**

CAS number: 9003-35-4 EC number: 500-005-2 REACH registration number: 01-2120735197-51-0000

Classification
Eye Irrit. 2 - H319
Skin Sens. 1 - H317
Aquatic Chronic 3 - H412

HEXANE-norm **<1%**

CAS number: 110-54-3 EC number: 203-777-6 REACH registration number: 01-2119480412-44-0009

Classification
Flam. Liq. 2 - H225
Skin Irrit. 2 - H315
Repr. 2 - H361f
STOT SE 3 - H336
STOT RE 2 - H373
Asp. Tox. 1 - H304
Aquatic Chronic 2 - H411

ROSIN **<1%**

CAS number: 8050-09-7 EC number: 232-475-7 REACH registration number: 01-2119480418-32-0036

Classification
Skin Sens. 1 - H317

XYLENE **<1%**

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-2119488216-32-0030

Classification
Flam. Liq. 3 - H226
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
STOT SE 3 - H335
STOT RE 2 - H373
Asp. Tox. 1 - H304

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ETHYLBENZENE **<1%**

CAS number: 100-41-4 EC number: 202-849-4 REACH registration number: 01-2119489370-35-0018

Classification
Flam. Liq. 2 - H225
Acute Tox. 4 - H312
Acute Tox. 4 - H332
STOT RE 2 - H373
Asp. Tox. 1 - H304

PARA-TERTIARY-BUTYLPHENOL - SVHC **<1%**

CAS number: 98-54-4 REACH registration number: 01-2119489419-21-0000

M factor (Chronic) = 1

Classification
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Aquatic Chronic 1 - H410

FORMALDEHYDE ...% **<1%**

CAS number: 50-00-0 EC number: 200-001-8 REACH registration number: 01-2119488953-20-0000

Classification
Acute Tox. 3 - H301
Acute Tox. 3 - H311
Acute Tox. 3 - H331
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Carc. 2 - H351
STOT SE 3 - H335

The full text for all hazard statements is displayed in Section 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information Get medical attention if any discomfort continues.

Inhalation Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion Rinse mouth thoroughly with water. Get medical attention.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately.

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

General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

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

Ingestion May cause discomfort if swallowed. May cause stomach pain or vomiting.

Skin contact Prolonged skin contact may cause redness and irritation.

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 Use fire-extinguishing media suitable for the surrounding fire. Extinguish with alcohol-resistant foam, carbon dioxide or dry 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 The product is flammable. Heating may generate flammable vapours. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3. The product is highly flammable.

Hazardous combustion products Does not decompose when used and stored as recommended.

5.3. Advice for firefighters

Protective actions during firefighting Control run-off water by containing and keeping it out of sewers and watercourses. Avoid breathing fire gases or vapours. Keep up-wind to avoid fumes.

Special protective equipment for firefighters Wear chemical protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

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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.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Keep container tightly closed. Keep only in the 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

Occupational exposure limits

butanone

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

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

HEXANE-norm

Long-term exposure limit (8-hour TWA): WEL 20 ppm 72 mg/m³

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³
Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³
Sk

ETHYLBENZENE

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Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³
Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³
Sk

PARA-TERTIARY-BUTYLPHENOL - SVHC

Short-term exposure limit (15-minute): 1 mg/m³

FORMALDEHYDE ...%

Long-term exposure limit (8-hour TWA): WEL 2 ppm 2.5 mg/m³
Short-term exposure limit (15-minute): WEL 2 ppm 2.5 mg/m³
WEL = Workplace Exposure Limit.
Sk = Can be absorbed through the skin.
BMGV = Biological monitoring guidance value.

Ingredient comments WEL = Workplace Exposure Limits

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

Ingredient comments WEL = Workplace Exposure Limits

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

butanone (CAS: 78-93-3)

Ingredient comments WEL = Workplace Exposure Limits

Biological limit values Short Term Value: 300ppm Long Term Value: 200ppm

DNEL
Consumer - Oral; Long term systemic effects: 31 mg/kg bw/day
Consumer - Dermal; Long term systemic effects: 412 mg/kg bw/day
Workers - Dermal; Long term systemic effects: 1161 mg/kg bw/day
Consumer - Inhalation; Long term systemic effects: 106 mg/m³
Workers - Inhalation; Long term systemic effects: 600 mg/m³

PNEC
- Fresh water; 55.8 mg/l
- Sediment (Freshwater); 284.7 mg/kg
- Intermittent release; 55.8 mg/l
- Sediment (Marinewater); 284.7
- marine water; 55.8 mg/l
- STP; 709 mg/l
- Soil; 22.5 mg/kg

TOLUENE (CAS: 108-88-3)

DNEL
Workers - Inhalation; Long term systemic effects: 192 mg/m³
Workers - Inhalation; Long term local effects: 192 mg/m³
Workers - Inhalation; Short term systemic effects: 384 mg/m³
Workers - Inhalation; Short term local effects: 384 mg/m³
Workers - Dermal; Long term systemic effects: 384 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 56.5 mg/m³
Consumer - Inhalation; Long term local effects: 56.5 mg/m³
Consumer - Inhalation; Short term systemic effects: 226 mg/m³
Consumer - Inhalation; Short term local effects: 226 mg/m³
Consumer - Dermal; Long term systemic effects: 226 mg/kg/day
Consumer - Oral; Long term systemic effects: 8.13 mg/kg/day

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PNEC

Fresh water; 0.68 mg/l
marine water; 0.68 mg/l
Intermittent release; 0.68 mg/l
STP; 13.61 mg/l
Sediment (Freshwater); 16.39 mg/kg
Sediment (Marinewater); 16.39 mg/kg
Soil; 2.89 mg/kg

ACETONE (CAS: 67-64-1)

Ingredient comments

WEL = Workplace Exposure Limits

XYLENE (CAS: 1330-20-7)

DNEL

General population - Inhalation; Short term systemic effects: 260 mg/m³
General population - Inhalation; Short term local effects: 260 mg/m³
General population - Dermal; Long term systemic effects: 125 mg/kg bw/day
General population - Inhalation; Long term systemic effects: 65.3 mg/m³
General population - Oral; Long term systemic effects: 12.5 mg/kg bw/day
Workers - Inhalation; Long term systemic effects: 221 mg/m³
Workers - Inhalation; Short term systemic effects: 442 mg/m³
Workers - Inhalation; Long term local effects: 221 mg/m³
Workers - Inhalation; Short term local effects: 442 mg/m³
Workers - Dermal; Long term systemic effects: 212 mg/kg bw/day

PNEC

Fresh water; 0.327 mg/l
marine water; 0.327 mg/l
STP; 6.58 mg/l
Sediment (Freshwater); 12.46 mg/kg
Sediment (Marinewater); 12.46 mg/kg
Soil; 2.31 mg/kg

ETHYLBENZENE (CAS: 100-41-4)

DNEL

General population - Oral; Long term systemic effects: 1.6 mg/kg bw/day
General population - Inhalation; Long term systemic effects: 15 mg/m³
Workers - Inhalation; Long term systemic effects: 77 mg/m³
Workers - Dermal; Long term systemic effects: 180 mg/kg bw/day
Workers - Inhalation; Short term local effects: 293 mg/m³

PNEC

Fresh water; 0.1 mg/l
marine water; 0.01 mg/l
STP; 9.6 mg/l
Sediment (Freshwater); 13.7 mg/kg
Sediment (Marinewater); 1.37 mg/kg
Soil; 2.68 mg/m³

FORMALDEHYDE ...% (CAS: 50-00-0)

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DNEL	Workers - Inhalation; Short term local effects: 0.8 mg/kg Workers - Dermal; Long term systemic effects: 240 mg/kg/day Workers - Inhalation; Long term systemic effects: 9 mg/m³ Workers - Dermal; Long term local effects: 0.037 mg/cm² Workers - Inhalation; Long term local effects: 0.4 mg/kg Consumer - Dermal; Long term systemic effects: 102 mg/kg/day Consumer - Inhalation; Long term systemic effects: 3.2 mg/cm² Consumer - Oral; Long term systemic effects: 4.1 mg/kg/day Consumer - Dermal; Long term local effects: 0.012 mg/cm² Consumer - Inhalation; Long term local effects: 0.1 mg/m³
PNEC	- Fresh water; 0.47 mg/l - marine water; 0.47 mg/l - Sediment (Freshwater); 2.44 mg/kg - Sediment (Marinewater); 2.44 mg/kg - Soil; 0.21 mg/kg - STP; 0.19 mg/l - Intermittent release; 4.7 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
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. It is recommended that gloves are made of the following material: Nitrile rubber. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended.
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. Wash contaminated clothing before reuse. Wash hands after handling. Eating, smoking and water fountains prohibited in immediate work area.
Respiratory protection	In confined or poorly-ventilated spaces, a supplied-air respirator must be worn. Wear a respirator fitted with the following cartridge: ABEK2-P3
Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Coloured liquid.
Colour	Various colours.
Odour	aromatic hydrocarbons

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Odour threshold	Not available.
pH	Estimated value. pH (concentrated solution): 7-8
Melting point	Not available.
Initial boiling point and range	>60°C @ 20
Flash point	Estimated value. -35°C
Evaporation rate	Not determined.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Estimated value. : 0.6% - 11.5%
Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.8 @ 20°C
Bulk density	Not available.
Solubility(ies)	Insoluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	200°C
Decomposition Temperature	Not available.
Viscosity	Kinematic viscosity > 20.5 mm²/s.
Explosive properties	Not available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not available.
Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information	No information required.
Refractive index	Not available.
Particle size	Not available.
Molecular weight	Not available.
Volatility	Not available.
Saturation concentration	Not available.
Critical temperature	Not available.
Volatile organic compound	This product contains a maximum VOC content of 700 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stability No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not applicable. Not relevant.

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. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information on ingredients.

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

Toxicological effects No information available.

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 5,840.0

Species Rat

Notes (oral LD_{50}) Not known. Data lacking.

ATE oral (mg/kg) 5,840.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg) 2,920.0

Species Rat

Notes (dermal LD_{50}) Data lacking.

ATE dermal (mg/kg) 2,920.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l) 25.2

Species Rat

ATE inhalation (vapours mg/l)

25.2

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Skin corrosion/irritation

Animal data Data lacking.

Serious eye damage/irritation

Serious eye damage/irritation Data lacking.

Aspiration hazard

Aspiration hazard Kinematic viscosity > 20.5 mm²/s.

Inhalation May cause respiratory system irritation.

Ingestion May cause stomach pain or vomiting.

Skin contact Irritating to skin.

Eye contact May cause severe eye irritation.

Acute and chronic health hazards Vapour from this product may be hazardous by inhalation.

Route of exposure Inhalation Skin absorption Ingestion. Skin and/or eye contact

Target organs No specific target organs known.

Medical symptoms Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Headache. Fatigue. Nausea, vomiting.

Medical considerations No information available.

butanone

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l) 20.0

ATE inhalation (vapours mg/l) 20.0

TOLUENE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 5,580.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg) 5,000.0

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)

25.7

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Species	Rat
ATE inhalation (vapours mg/l)	25.7

ACETONE

Other health effects	There is no evidence that the product can cause cancer.

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

Acute toxicity dermal (LD_{50} mg/kg)	7,426.0
Species	Rat
ATE dermal (mg/kg)	7,426.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	50,100.0
Species	Rat
ATE inhalation (vapours mg/l)	50,100.0

Skin corrosion/irritation

Extreme pH	Slightly irritating.

Serious eye damage/irritation

Serious eye damage/irritation	Moderately irritating.

Respiratory sensitisation

Respiratory sensitisation	Not sensitising.

HEXANE-norm

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	25,000.0
Species	Rat
ATE oral (mg/kg)	25,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} gases ppmV)	48,000.0
Species	Rat

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ATE inhalation (gases ppm)	48,000.0

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	4,300.0
Species	Rat
ATE oral (mg/kg)	4,300.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	1,700.0
Species	Rabbit
ATE dermal (mg/kg)	1,700.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} gases ppmV)	6,700.0
Species	Rat
ATE inhalation (gases ppm)	6,700.0

ETHYLBENZENE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	3,500.0
Species	Rat
ATE oral (mg/kg)	3,500.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	1,780.0
Species	Rabbit
ATE dermal (mg/kg)	1,780.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	17.8
Species	Rat
ATE inhalation (vapours mg/l)	17.8

SECTION 12: Ecological information

Ecological information on ingredients.

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

Ecotoxicity Dangerous for the environment.

12.1. Toxicity

Ecological information on ingredients.

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

Acute aquatic toxicity

Acute toxicity - fish	LC_0, hours: >1-<10 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 3 mg/l, Daphnia magna
Acute toxicity - aquatic plants	LC_0, hours: >1-<10 mg/l, Algae

butanone

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, EC_{50}, IC_{50}, : 100 mg/l, Fish
Acute toxicity - aquatic plants	LC_{50}, EC_{50}, IC_{50}, : 100 mg/l, Algae

TOLUENE

Acute aquatic toxicity

Acute toxicity - fish	, 48 hours: > 1-10 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 11.5 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: 100 mg/l, Algae

ACETONE

Toxicity	Not considered toxic to fish.

Acute aquatic toxicity

Acute toxicity - fish	LC50, 96 hours: 5540 mg/l, Freshwater fish , 96 hours: 11000 mg/l, Marinewater fish LC_{50}, 96 hours: 11000 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 8800 mg/l, Daphnia magna EC_{50}, 48 hours: 8800 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: 430 mg/l, Algae
Acute toxicity - microorganisms	, 30 minutes: 1000 mg/l, Activated sludge

HEXANE-norm

Acute aquatic toxicity

Acute toxicity - fish LC_{50}, EC_{50}, IC_{50}, : 10 mg/l, Fish

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Acute toxicity - aquatic invertebrates	LC_{50}, EC_{50}, IC_{50}, : 10 mg/l, Daphnia magna
Acute toxicity - aquatic plants	LC_{50}, EC_{50}, IC_{50}, : 10 mg/l, Algae

XYLENE

Acute aquatic toxicity

Acute toxicity - fish	, 48 hours: > 1-10 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 11.5 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: 100 mg/l, Algae

ETHYLBENZENE

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 150 to 200 mg/l, Fish, Freshwater fish

PARA-TERTIARY-BUTYLPHENOL - SVHC

Chronic aquatic toxicity

M factor (Chronic)	1

FORMALDEHYDE ...%

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 100-136 mg/l, Oncorhynchus mykiss (Rainbow trout) LC_{50}, 96 hours: 22.6-25.7 mg/l, Pimephales promelas (Fat-head Minnow) LC_{50}, 96 hours: 1.510 mg/l, Lepomis macrochirus (Bluegill) LC_{50}, 96 hours: 41 mg/l, Brachydanio rerio (Zebra Fish)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 11.3-18 mg/l, Daphnia magna

12.2. Persistence and degradability

Ecological information on ingredients.

ACETONE

Persistence and degradability	The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Partition coefficient Not available.

Ecological information on ingredients.

TOLUENE

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	Not available.

ACETONE

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Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating. BCF: 3,

Partition coefficient Pow: < -0.24

XYLENE

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Partition coefficient Not available.

ETHYLBENZENE

Bioaccumulative potential log Pow: ~ 3.6, BCF: ~ 79.43,

12.4. Mobility in soil

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

Ecological information on ingredients.

butanone

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

TOLUENE

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

ACETONE

Mobility The product is miscible with water and may spread in water systems.

Adsorption/desorption coefficient Water - log Koc: 1.5 @ 20°C

Henry's law constant 2929-3070 Pa m3/mol @ 25°C

XYLENE

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

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.

butanone

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

TOLUENE

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

ACETONE

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

XYLENE

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 None known.

Ecological information on ingredients.

butanone

Other adverse effects None known.

TOLUENE

Other adverse effects Not known.

ACETONE

Other adverse effects Not applicable.

XYLENE

Other adverse effects Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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

14.1. UN number

UN No. (ADR/RID) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

UN No. (ADN) 1133

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ADHESIVES

Proper shipping name (IMDG) ADHESIVES

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Proper shipping name (ICAO) ADHESIVES

Proper shipping name (ADN) ADHESIVES

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels

14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

ADN packing group II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS F-E, S-D

ADR transport category 2

Hazard Identification Number (ADR/RID) 33

Tunnel restriction code (D/E)

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

SECTION 15: Regulatory information

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

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Control of Substances Hazardous to Health Regulations 2002 (as amended).

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EU legislation	Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work. 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).
Authorisations (Annex XIV Regulation 1907/2006)	Entry number: 48

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Compliance
Revision date	22/12/2021
Revision	21
Supersedes date	15/09/2020
Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H301 Toxic if swallowed. H304 May be fatal if swallowed and enters airways. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. 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. H332 Harmful if inhaled. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer. H361d Suspected of damaging the unborn child. H361f Suspected of damaging fertility. H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure. 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.
Store Between	Store Between 5°C-25°C
Contains isocyanate	NO