SAFETY DATA SHEET
A03703

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

1.1. Product identifier

Product name A03703

Product number A03703, FP-000353, FP-000354, FP-000355, FP-000356, FP-000357, FP-000358, FP-000361, FP-000362, FP-000363, FP-002168

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

APOLLO CHEMICALS LTD
SANDY WAY
AMINGTON INDUSTRIAL ESTATE
TAMWORTH
STAFFS
B77 4DS
T: +44 (0) 1827 54281
F: +44 (0) 1827 53030
E: compliance@apollo.co.uk

1.4. Emergency telephone number

Emergency telephone +44 01827 69662 (NOT 24HRS - 8am-5pm mon-fri)

National emergency telephone number National Poisons Information Service (UK) TEL: 0844 892 0111

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 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

Pictogram

A03703

Signal word	Danger
Hazard statements	H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. 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. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P271 Use only outdoors or in a well-ventilated area. P273 Avoid release to the environment. 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. P313 Get medical advice/ attention. P501 Dispose of contents/ container in accordance with national regulations.
Supplemental label information	RCH005a This product is not to be used under conditions of poor ventilation. RCH005b This product is not to be used for carpet laying. EUH208 Contains rosin. May produce an allergic reaction.
Contains	BUTANONE, hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane, CYCLOHEXANE, ACETONE, ROSIN

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

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
Acute Tox. 4 - H302
Acute Tox. 4 - H312
Acute Tox. 4 - H332
Eye Irrit. 2 - H319
STOT SE 3 - H336

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hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane **10-30%**

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

CYCLOHEXANE **10-30%**

CAS number: 110-82-7 EC number: 203-806-2 REACH registration number: 01-2119463273-41-0000

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

Classification
Flam. Liq. 2 - H225
Acute Tox. 4 - H312
Skin Irrit. 2 - H315
STOT SE 3 - H336
Asp. Tox. 1 - H304
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

ACETONE **10-30%**

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

ROSIN **1-5%**

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

Classification
Skin Sens. 1 - H317

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ZINC OXIDE		**<1%**
CAS number: 1314-13-2	EC number: 215-222-5	REACH registration number: 01-2119463881-32-0000
M factor (Acute) = 1	M factor (Chronic) = 1	

Classification
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

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

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

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.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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.

Specific treatments Treat symptomatically.

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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

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)

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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(Sk) 600 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m3(Sk)

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

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
WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

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

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
Workers - Oral; Long term systemic effects: 2035 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

CYCLOHEXANE (CAS: 110-82-7)

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DNEL	Consumer - Oral; Long term systemic effects: 59.4 mg/kg bw/day Consumer - Dermal; Long term systemic effects: 1186 mg/kg bw/day Workers - Dermal; Long term systemic effects: 2016 mg/kg bw/day Consumer - Inhalation; Short term local effects: 412 mg/m³ Consumer - Inhalation; Short term systemic effects: 412 mg/m³ Workers - Inhalation; Short term local effects: 700 mg/m³ Workers - Inhalation; Short term systemic effects: 700 mg/m³ Consumer - Inhalation; Long term local effects: 206 mg/m³ Workers - Inhalation; Long term local effects: 700 mg/m³ Consumer - Inhalation; Long term systemic effects: 206 mg/m³ Workers - Inhalation; Long term systemic effects: 700 mg/m³
PNEC	- Fresh water; 0.207 mg/l - Sediment (Freshwater); 3.627 mg/kg - STP; 3.24 mg/l - Soil; 2.99 mg/kg

ACETONE (CAS: 67-64-1)

Ingredient comments	WEL = Workplace Exposure Limits

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.
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	If ventilation is inadequate, suitable respiratory protection 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.

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Odour	Acetone.
Odour threshold	Not available.
pH	pH (concentrated solution): 7-8
Melting point	Not available.
Initial boiling point and range	56°C @ 20
Flash point	-22°C CC (Closed cup).
Evaporation rate	Not determined.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	: 0.6%-13%
Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	0.86 @ 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

A03703

10.1. Reactivity

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.

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 effects No information available.

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

Acute toxicity - oral

ATE oral (mg/kg) 7,567.16

Acute toxicity - dermal

ATE dermal (mg/kg) 4,581.9

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 75.67

Serious eye damage/irritation

Serious eye damage/irritation Irritation of eyes is assumed.

Respiratory sensitisation

Respiratory sensitisation Not determined.

Skin sensitisation

Skin sensitisation Not determined.

Carcinogenicity

Carcinogenicity Data lacking.

Target organ for carcinogenicity Not relevant.

Reproductive toxicity

Reproductive toxicity - fertility Not available.

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

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Aspiration hazard

Aspiration hazard	Not anticipated to present an aspiration hazard, based on chemical structure.

General information	No specific health hazards known.
Inhalation	Vapour from this product may be hazardous by inhalation.
Ingestion	May be harmful if swallowed.
Skin contact	May be harmful in contact with skin.
Eye contact	May cause blurred vision and serious eye damage.

Toxicological information on ingredients.

BUTANONE

Acute toxicity - oral

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

Acute toxicity - dermal

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

Acute toxicity - inhalation

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

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

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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

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 mm^2/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 entry	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.

CYCLOHEXANE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0

Acute toxicity - dermal

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

A03703

Species	Rabbit
ATE dermal (mg/kg)	2,000.0

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.

ZINC OXIDE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	7,950.0
Species	Mouse
ATE oral (mg/kg)	7,950.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,500.0
Species	Mouse

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ATE dermal (mg/kg)	2,500.0

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
ATE inhalation (gases ppm)	48,000.0

SECTION 12: Ecological Information

Ecological information on ingredients.

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

Ecotoxicity	Dangerous for the environment.

12.1. Toxicity

Acute toxicity - fish Supplier's information.
LC_0, hours: >1-10< mg/l, Algae

Acute toxicity - aquatic plants , hours: >1-10 mg/l, Fish

Ecological information on ingredients.

BUTANONE

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

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

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

CYCLOHEXANE

Acute aquatic toxicity

LE(C)$_{50}$	$0.1 < L(E)C50 \leq 1$
M factor (Acute)	1

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Acute toxicity - fish	LC_0, 96 hours: 4.53 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC_0, 48 hours: 0.9 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_0, 72 hours: 3.4 mg/l, Fish
Acute toxicity - microorganisms	EC_{50}, 20 hours: 29 mg/l, Bacteria
Chronic aquatic toxicity	
M factor (Chronic)	1

ACETONE

Toxicity	Not considered toxic to fish.
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, Algae
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, Fish
Acute toxicity - microorganisms	, 30 minutes: 1000 mg/l, Activated sludge

ZINC OXIDE

Acute aquatic toxicity	
LE(C)$_{50}$	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC_{50}, 96 hours: 1.1 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 0.098 mg/l, Daphnia magna
Chronic aquatic toxicity	
M factor (Chronic)	1

HEXANE-norm

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

12.2. Persistence and degradability

Ecological information on ingredients.

A03703

ACETONE

Persistence and degradability The product is expected to be biodegradable.

12.3. Bioaccumulative potential

Partition coefficient Not available.

Ecological information on ingredients.

CYCLOHEXANE

Bioaccumulative potential BCF: 167,

ACETONE

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

Partition coefficient Pow: < -0.24

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.

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

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.

ACETONE

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.

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Ecological information on ingredients.

BUTANONE

Other adverse effects None known.

ACETONE

Other adverse effects Not applicable.

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

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane)

Proper shipping name (IMDG) ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane)

Proper shipping name (ICAO) ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane)

Proper shipping name (ADN) ADHESIVES (hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <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

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

14.5. Environmental hazards

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Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS	F-E, S-D
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).
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).
Restrictions (Title VIII Regulation 1907/2006)	Entry number: 57

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Issued by	Compliance
Revision date	15/02/2019
Revision	21
Supersedes date	10/04/2018

A03703

Hazard statements in full	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness. H361f Suspected of damaging fertility. 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.
Store Between	Store Between 5'c - 25'c
Contains SVHC	NO