



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 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)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

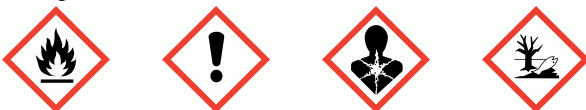
Classification (EC 1272/2008)

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

Pictogram



Signal word

Danger

A03727

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. H361d Suspected of damaging the unborn child. 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., HEXANE-norm, 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/ bond container and receiving equipment. P241 Use explosion-proof electrical equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. 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/ shower. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/ 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**

A03727

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			
Acute Tox. 4 - H302			
Acute Tox. 4 - H312			
Acute Tox. 4 - H332			
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			
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			

A03727

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			1-5%
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			

A03727

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 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304		
PARA-TERTIARY-BUTYLPHENOL <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.

A03727

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.
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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/m ³ . 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.
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6.2. Environmental precautions

A03727

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(Sk) 600 mg/m³(Sk)

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

TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m³

Sk

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

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

A03727

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

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.

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
 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

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; Short term systemic effects: mg/m³

ACETONE (CAS: 67-64-1)**Ingredient comments**

WEL = Workplace Exposure Limits

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

A03727**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

A03727

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 mm ² /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.
<u>9.2. Other information</u>	
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**

A03727

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****Acute toxicity - oral**

ATE oral (mg/kg) 8,695.65

Acute toxicity - dermal

ATE dermal (mg/kg) 8,695.65

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 86.96

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 (LD₅₀ mg/kg) 5,840.0

Species Rat

Notes (oral LD₅₀) Not known. Data lacking.

ATE oral (mg/kg) 5,840.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,920.0

Species Rat

Notes (dermal LD₅₀) Data lacking.

ATE dermal (mg/kg) 2,920.0

A03727**Acute toxicity - inhalation**

Acute toxicity inhalation (LC₅₀ 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 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 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.

BUTANONE**Acute toxicity - oral**

Acute toxicity oral (LD₅₀ mg/kg) 2,000.0

Species Rat

ATE oral (mg/kg) 2,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,000.0

Species Rabbit

ATE dermal (mg/kg) 2,000.0

Acute toxicity - inhalation

A03727

Acute toxicity inhalation 20.0
(LC₅₀ vapours mg/l)

Species Rat

ATE inhalation (vapours 20.0
mg/l)

TOLUENE**Acute toxicity - inhalation**

Acute toxicity inhalation 12,500.0
(LC₅₀ vapours mg/l)

ATE inhalation (vapours 12,500.0
mg/l)

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

ACETONE

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 5,800.0
mg/kg)

Species Rat

ATE oral (mg/kg) 5,800.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 7,426.0
mg/kg)

Species Rat

ATE dermal (mg/kg) 7,426.0

Acute toxicity - inhalation

Acute toxicity inhalation 50,100.0
(LC₅₀ vapours mg/l)

Species Rat

ATE inhalation (vapours 50,100.0
mg/l)

Skin corrosion/irritation

Extreme pH Slightly irritating.

Serious eye damage/irritation

Serious eye Moderately irritating.
damage/irritation

Respiratory sensitisation

Respiratory sensitisation Not sensitising.

A03727**HEXANE-norm****Acute toxicity - oral**

Acute toxicity oral (LD₅₀ mg/kg) 25,000.0

Species Rat

ATE oral (mg/kg) 25,000.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ 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**Ecological information on ingredients.****hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane**

Acute toxicity - fish LC₅₀, hours: >1-<10 mg/l, Algae

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 3 mg/l, Daphnia magna

Acute toxicity - aquatic plants LC₅₀, hours: >1-<10 mg/l, Fish

BUTANONE

Acute toxicity - fish LC₅₀, EC₅₀, IC₅₀, : 100 mg/l, Algae

Acute toxicity - aquatic plants LC₅₀, EC₅₀, IC₅₀, : 100 mg/l, Fish

TOLUENE

Acute toxicity - fish, 48 hours: > 1-10 mg/l, Freshwater fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 11.5 mg/l, Daphnia magna

Acute toxicity - aquatic plants IC₅₀, 72 hours: 100 mg/l, Fish

ACETONE

Toxicity Not considered toxic to fish.

A03727

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

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.****ACETONE**

Persistence and degradability	The product is expected to be biodegradable.
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12.3. Bioaccumulative potential

Partition coefficient	Not available.
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Ecological information on ingredients.**TOLUENE**

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

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.
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Ecological information on ingredients.**BUTANONE**

Mobility	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
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A03727**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

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

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.

Ecological information on ingredients.**BUTANONE**

Other adverse effects None known.

TOLUENE

Other adverse effects Not 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.

A03727

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
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
ADN packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

**14.6. Special precautions for user**

EmS	F-E, S-D
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A03727

ADR transport category 2

Hazard Identification Number 33
(ADR/RID)

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).

Authorisations (Title VII 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 07/11/2018

Revision 21

Supersedes date 08/05/2018

A03727

Hazard statements in full	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful 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 (Hearing organs) through prolonged or repeated exposure. H373 May cause damage to 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 SVHC	NO

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.