



## SAFETY DATA SHEET

### B.C.E

According to Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, February 2016

#### SECTION 1: Identification: Product identifier and chemical identity

##### Product identifier

Product name B.C.E

##### Relevant identified uses of the substance or mixture and uses advised against

Application Cleaning agent.

Uses advised against For professional use only. This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

##### Details of the supplier of the safety data sheet

Supplier Autosmart Australia  
11 Darrambal Close  
Rathmines  
NSW 2283  
Australia  
www.autosmartaustralia.com.au  
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST) (General Information. Transport Information. Mild Medical Information)  
autosmart@autosmartaustralia.com.au

Contact Person Mr. Russell Butler

##### Emergency telephone number

Emergency telephone Emergency No: +44 7808 971321 (24hrs) (Autosmart International, UK)  
General Information. Transport Information. Mild medical Information:-  
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)

National emergency telephone number Poison Information Hotline: 13 11 26

#### SECTION 2: Hazard(s) identification

##### Classification of the substance or mixture

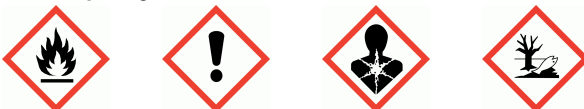
Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Irrit. 2 - H315 Repr. 2 - H361f STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304

Environmental hazards Aquatic Chronic 2 - H411

##### Label elements

##### Hazard pictograms



Signal word

DANGER

**B.C.E****Hazard statements**

H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H361f Suspected of damaging fertility.  
 H336 May cause drowsiness or dizziness.  
 H373 May cause damage to organs through prolonged or repeated exposure.  
 H411 Toxic to aquatic life with long lasting effects.  
 H304 May be fatal if swallowed and enters airways.

**Precautionary statements**

P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat/ sparks/ open flames/ hot surfaces. - No smoking.  
 P260 Do not breathe vapour/ spray.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
 Rinse skin with water/ shower.  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

**Supplemental label information**

For professional users only.  
 AUH066 Repeated exposure may cause skin dryness or cracking.

**Contains**

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.; LOW BOILING POINT NAPHTH, n-hexane, PROPAN-2-OL

**Other hazards**

This product does not contain any substances classified as PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative).

**SECTION 3: Composition and information on ingredients****Mixtures**

**SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.; LOW BOILING POINT NAPHTH**

**60-100%**

CAS number: 64742-89-8

**Classification**

Flam. Liq. 2 - H225  
 Asp. Tox. 1 - H304  
 Aquatic Chronic 2 - H411

**n-hexane**

**20<30%**

CAS number: 110-54-3

Substance with a Community workplace exposure limit.

**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

**B.C.E**

<b>PROPAN-2-OL</b>	<b>5&lt;10%</b>
CAS number: 67-63-0	
Substance with a Community workplace exposure limit.	
<b>Classification</b>	
Flam. Liq. 2 - H225	
Eye Irrit. 2A - H319	
STOT SE 3 - H336	

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

**Composition comments** Components listed, if any, are present above their levels of disclosure.

#### SECTION 4: First aid measures

##### Description of first aid measures

<b>General information</b>	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	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. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
<b>Skin Contact</b>	Rinse with water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue. If it is suspected that volatile contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

##### Most important symptoms and effects, both acute and delayed

<b>General information</b>	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
<b>Ingestion</b>	May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
<b>Skin contact</b>	Redness. Irritating to skin.
<b>Eye contact</b>	A single exposure may cause the following adverse effects: Redness. Irritation.

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### Indication of any immediate medical attention and special treatment needed

**Notes for the doctor** Treat symptomatically.

### **SECTION 5: Firefighting measures**

#### Extinguishing media

**Suitable extinguishing media** The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

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

#### Special hazards arising from the substance or mixture

**Specific hazards** Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard. Contains Hydrocarbons. The product is immiscible with water and will spread on the water surface.

**Hazardous combustion products** Hydrocarbons. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

#### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.

**Hazchem Code** 3YE

### **SECTION 6: Accidental release measures**

#### Personal precautions, protective equipment and emergency procedures

**Personal precautions** No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate.

#### Environmental precautions

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**Environmental precautions** Immiscible with water. Aquatic toxicity is unlikely to occur. However, large or frequent spills may have hazardous effects on the environment. Absorb spillage with non-combustible, absorbent material. Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

### Methods and material for containment and cleaning up

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Use only non-sparking tools. Use explosion-proof electrical equipment. Do not allow material to enter confined spaces, due to the risk of explosion. Approach the spillage from upwind. Small Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Large Spillages: If leakage cannot be stopped, evacuate area. Flush spilled material into an effluent treatment plant, or proceed as follows. Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labelled, sealed containers. Clean contaminated objects and areas thoroughly, observing environmental regulations. The contaminated absorbent may pose the same hazard as the spilled material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage, including how the chemical may be safely used

### Precautions for safe handling

**Usage precautions** Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. In use may form flammable/explosive vapour-air mixture. Vapours may accumulate on the floor and in low-lying areas. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Suspected of damaging fertility. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

### **Advice on general occupational hygiene**

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

### Conditions for safe storage, including any incompatibilities

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<b>Storage precautions</b>	Store away from incompatible materials (see Section 10). Store in accordance with local regulations. Eliminate all sources of ignition. Take precautionary measures against static discharges. Earth container and transfer equipment to eliminate sparks from static electricity. Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.
<b>Storage class</b>	Flammable liquid storage.
<b>Specific end use(s)</b>	
<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.

### SECTION 8: Exposure controls and personal protection

#### Control parameters

#### Occupational exposure limits

##### n-hexane

Long-term exposure limit (8-hour TWA): 20 ppm 72 mg/m<sup>3</sup>

##### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): 400 ppm 983 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 500 ppm 1230 mg/m<sup>3</sup>

#### SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.; LOW BOILING POINT NAPHTH (CAS: 64742-89-8)

**Ingredient comments** No exposure limits known for ingredient(s).

#### Exposure controls

##### Protective equipment



##### Appropriate engineering controls

Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilating equipment.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with Australia/New Zealand Standard AS/NZS 1337. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

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<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The breakthrough time for any glove material may be different for different glove manufacturers. To protect hands from chemicals, gloves should comply with Australia/New Zealand Standard AS/NZS 2161. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended. The choice of protective gloves depends upon the chemicals being handled, and the conditions of work and use. When used with mixtures, the protection time of gloves cannot be accurately estimated. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber. Thickness: >0.2mm The selected gloves should have a breakthrough time of at least 0.5 hours. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. Repeated exposure to chemicals will degrade the ability of the glove to provide resistance to chemicals. Specific work environments and material handling practices may vary, therefore safety procedures should be developed for each intended application. Use thin cotton gloves inside natural rubber gloves if there is an allergy risk to natural rubber.
<b>Other skin and body protection</b>	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
<b>Hygiene measures</b>	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.
<b>Respiratory protection</b>	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and complies with Australia/New Zealand Standard AS/NZS 1716. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Full face mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716. Half mask and quarter mask respirators with replaceable filter cartridges should comply with Australia/New Zealand Standard AS/NZS 1716.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use. 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. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Water-white.
<b>Odour</b>	Sweetish.
<b>pH</b>	Not applicable.
<b>Melting point</b>	-50°C
<b>Initial boiling point and range</b>	66 - 115°C @ 1013 mbar

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<b>Flash point</b>	< -20°C Closed cup.
<b>Flammability Limit - Lower(%)</b>	Lower flammable/explosive limit: 1 % Upper flammable/explosive limit: 7.5 %
<b>Vapour pressure</b>	15 kPa @ 20°C
<b>Vapour density</b>	~ 3.1
<b>Relative density</b>	~ 0.685 - 0.730 @ 15°C
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	log Pow: ~ 4
<b>Auto-ignition temperature</b>	350°C
<b>Viscosity</b>	Kinematic viscosity ≤ 20.5 mm <sup>2</sup> /s.
<b>Comments</b>	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 730 g/l.

**SECTION 10: Stability and reactivity**

<b>Reactivity</b>	See the other subsections of this section for further details.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	The following materials may react strongly with the product: Oxidising agents.
<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented. Do not pressurise, cut, weld, drill, grind or otherwise expose containers to heat or sources of ignition.
<b>Materials to avoid</b>	Oxidising materials. Acids - oxidising.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

**SECTION 11: Toxicological information****Information on toxicological effects****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**Acute toxicity - inhalation**

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

**Animal data** Irritating.

**Serious eye damage/irritation**

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



**B.C.E****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.

**Carcinogenicity**

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

**IARC carcinogenicity**

Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Suspected of damaging fertility.

**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 - H336 May cause drowsiness or dizziness.

**Target organs**

Central nervous system

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**

**Aspiration hazard** Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

**General information**

May damage fertility. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**

A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.

**Ingestion**

May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**Skin Contact**

Redness. Irritating to skin.

**Eye contact**

A single exposure may cause the following adverse effects: Redness. Irritation.

**Route of exposure**

Ingestion Inhalation Skin and/or eye contact

**Target Organs**

Central nervous system

**Toxicological information on ingredients.****SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.; LOW BOILING POINT NAPHTH****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**B.C.E****Acute toxicity - inhalation**

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**Skin corrosion/irritation**

**Animal data** 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** 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.

**Carcinogenicity**

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

**IARC carcinogenicity**

None of the ingredients are listed or exempt.

**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 classified as a specific target organ toxicant after a single exposure.

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard**

**Aspiration hazard** Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

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

**Inhalation** No specific symptoms known.

**Ingestion** Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**Skin Contact** No specific symptoms known.

**Eye contact** No specific symptoms known.

**Route of exposure** Ingestion Inhalation Skin and/or eye contact

**Target Organs** No specific target organs known.

**B.C.E****n-hexane**

<b>Other health effects</b>	There is no evidence that the product can cause cancer.
<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
<b><u>Skin corrosion/irritation</u></b>	
<b>Animal data</b>	Irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Based on available data the classification criteria are not met.
<b><u>Respiratory sensitisation</u></b>	
<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Based on available data the classification criteria are not met.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>IARC carcinogenicity</b>	None of the ingredients are listed or exempt.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Suspected of damaging fertility.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.
<b><u>Specific target organ toxicity - single exposure</u></b>	
<b>STOT - single exposure</b>	STOT SE 3 - H336 May cause drowsiness or dizziness.
<b>Target organs</b>	Central nervous system
<b><u>Specific target organ toxicity - repeated exposure</u></b>	
<b>STOT - repeated exposure</b>	STOT RE 2 - H373 May cause damage to organs through prolonged or repeated exposure.
<b>Target organs</b>	Brain Central nervous system
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Asp. Tox. 1 - H304 May be fatal if swallowed and enters airways. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

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<b>General information</b>	May damage fertility. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.
<b>Ingestion</b>	May cause irritation. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.
<b>Skin Contact</b>	Redness. Irritating to skin.
<b>Eye contact</b>	A single exposure may cause the following adverse effects: Redness. Irritation.
<b>Acute and chronic health hazards</b>	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: Nausea, vomiting. Headache. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
<b>Route of exposure</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target Organs</b>	Central nervous system

**PROPAN-2-OL****Acute toxicity - oral**

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,840.0

**Species** Rat

**Acute toxicity - dermal**

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 16.4

**Species** Rabbit

**Respiratory sensitisation**

**Respiratory sensitisation** Not sensitising.

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Carcinogenicity**

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

**Inhalation** Drowsiness, dizziness, disorientation, vertigo.

**Ingestion** No specific health hazards known.

**Skin Contact** No specific health hazards known.

**Eye contact** Irritating to eyes.

**SECTION 12: Ecological information****Ecological information on ingredients.**

**B.C.E****n-hexane**

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

**PROPAN-2-OL**

**Ecotoxicity** The product is not expected to be hazardous to the environment.

**Toxicity** Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

**Ecological information on ingredients.****SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.; LOW BOILING POINT NAPHTH**

**Toxicity** Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

**n-hexane**

**Toxicity** Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.

**Acute aquatic toxicity**

**Acute toxicity - fish** LC50, >: > 2.1 mg/l,

**PROPAN-2-OL****Acute aquatic toxicity**

**Acute toxicity - fish** LC50, 96 hours: ~ 9640 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, >: > 1000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 72 hours: > 1000 mg/l, Scenedesmus subspicatus

**Acute toxicity - microorganisms** EC<sub>50</sub>, >: > 1000 mg/l, Activated sludge

**Persistence and degradability**

**Persistence and degradability** The degradability of the product is not known.

**Ecological information on ingredients.****SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.; LOW BOILING POINT NAPHTH**

**Persistence and degradability** The degradability of the product is not known.

**n-hexane**

**Persistence and degradability** The degradability of the product is not known.

**PROPAN-2-OL**

**Persistence and degradability** The product is expected to be biodegradable.

**B.C.E**

<b>Biodegradation</b>	Degradation (%) - 95: 21 days
<b>Biological oxygen demand</b>	~ 1171 g O <sub>2</sub> /g substance
<b>Chemical oxygen demand</b>	~ 2294 g O <sub>2</sub> /g substance

**Bioaccumulative potential**

<b>Bioaccumulative Potential</b>	No data available on bioaccumulation.
<b>Partition coefficient</b>	log Pow: ~ 4

**Ecological information on ingredients.****SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.; LOW BOILING POINT NAPHTH**

<b>Bioaccumulative Potential</b>	No data available on bioaccumulation.
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**n-hexane**

<b>Bioaccumulative Potential</b>	The product contains potentially bioaccumulating substances. BCF: ~ 200,
<b>Partition coefficient</b>	log Pow: ~ 3.764

**PROPAN-2-OL**

<b>Bioaccumulative Potential</b>	The product is not bioaccumulating.
<b>Partition coefficient</b>	log Pow: 0.05

**Mobility in soil**

<b>Mobility</b>	The product is insoluble in water. Volatile liquid. The product contains organic solvents which will evaporate easily from all surfaces.
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**Ecological information on ingredients.****SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.; LOW BOILING POINT NAPHTH**

<b>Mobility</b>	No data available.
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**n-hexane**

<b>Mobility</b>	The product is insoluble in water. Volatile liquid. The product contains organic solvents which will evaporate easily from all surfaces.
<b>Adsorption/desorption coefficient</b>	Water - Koc: ~ 150 @ °C
<b>Henry's law constant</b>	~ 1.83 atm m <sup>3</sup> /mol @ °C

**PROPAN-2-OL**

<b>Mobility</b>	The product is soluble in water.
<b>Adsorption/desorption coefficient</b>	Water - Koc: ~ 1.1 @ °C
<b>Henry's law constant</b>	0.00000338 atm m <sup>3</sup> /mol @ 25°C

**Other adverse effects**

**B.C.E**

**Other adverse effects** None known.

**Ecological information on ingredients.****SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPH.; LOW BOILING POINT NAPHTH**

**Other adverse effects** None known.

**n-hexane**

**Other adverse effects** None known.

**SECTION 13: Disposal considerations****Waste treatment methods****General information**

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods**

Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible. Vapour from residual product may create a highly flammable or explosive atmosphere inside the container. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Do not cut or weld used containers unless they have been thoroughly cleaned internally.

**SECTION 14: Transport information****General**

For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

**UN number**

**UN No. (ADG)** 1268

**UN No. (IMDG)** 1268

**UN No. (ICAO)** 1268

**UN proper shipping name**

**Proper shipping name (ADG)** PETROLEUM PRODUCTS, N.O.S. (CONTAINS SOLVENT NAPHTHA (PETROLEUM))

**Proper shipping name (IMDG)** PETROLEUM PRODUCTS, N.O.S. (CONTAINS SOLVENT NAPHTHA (PETROLEUM))

**Proper shipping name (ICAO)** PETROLEUM PRODUCTS, N.O.S. (CONTAINS SOLVENT NAPHTHA (PETROLEUM))

**Transport hazard class(es)**

**ADG class** 3

**ADG classification code** F1

**ADG label** 3

**B.C.E**

IMDG class 3

ICAO class/division 3

**Transport labels****Packing group**

ADG packing group II

IMDG packing group II

ICAO packing group II

**Environmental hazards****Environmentally hazardous substance/marine pollutant****Special precautions for user**

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS F-E, S-E

Hazchem Code 3YE

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

**SECTION 15: Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National regulations**

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).  
 National Code of Practice for the Preparation of Material Safety Data Sheets.  
 Approved Criteria for Classifying Hazardous Substances.  
 Exposure Standards for Atmospheric Contaminants in the Occupational Environment.  
 Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment.  
 National Code of Practice for the Labelling of Workplace Substances.  
 National Model Regulations for the Control of Workplace Hazardous Substances.  
 National Code of Practice for the Control of Workplace Hazardous Substances.  
 National Standard for the Storage and Handling of Workplace Dangerous Goods.  
 National Code of Practice for the Storage and Handling of Workplace Dangerous Goods.  
 Guidance Note for Placarding Stores for Dangerous Goods and Specified Hazardous Substances. Guidance Note for the Assessment of Health Risks Arising from Hazardous Substances in the Workplace.  
 National Standard for the Control of Major Hazard Facilities. National Code of Practice for the Control of Major Hazard Facilities.

**Schedule (SUSMP)** Schedule 5. Caution.

**Inventories**



**B.C.E****Australia - AICS**

The following ingredients are listed or exempt:

**SECTION 16: Any other relevant information**

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ADG: Australian dangerous goods code</p> <p>IATA: International air transport association.          ICAO: Technical instructions for the safe transport of dangerous goods by air.          IMDG: International maritime dangerous goods.          CAS: Chemical abstracts service.          ATE: Acute toxicity estimate.          LC<sub>50</sub>: Lethal concentration to 50 % of a test population.          LD<sub>50</sub>: Lethal dose to 50% of a test population (median lethal dose).          EC<sub>50</sub>: 50% of maximal effective concentration.          PBT: Persistent, bioaccumulative and toxic substance.          vPvB: Very persistent and very bioaccumulative.</p>
<b>Classification abbreviations and acronyms</b>	<p>Flam. Liq. = Flammable liquid          Asp. Tox. = Aspiration hazard          Repr. = Reproductive toxicity          Skin Irrit. = Skin irritation          STOT RE = Specific target organ toxicity-repeated exposure          STOT SE = Specific target organ toxicity-single exposure          Aquatic Chronic = Hazardous to the aquatic environment (chronic)</p>
<b>Training advice</b>	<p>Read and follow manufacturer's recommendations. Only trained personnel should use this material.</p>
<b>Revision comments</b>	<p>NOTE: Lines within the margin indicate significant changes from the previous revision.</p>
<b>Issued by</b>	<p>Prepared by Autosmart International Ltd, Lynn Lane, Shenstone, Lichfield, Staffordshire, WS14 0DH, Great Britain.  <a href="http://www.autosmartinternational.com">www.autosmartinternational.com</a>  <a href="mailto:rbutler@autosmart.co.uk">rbutler@autosmart.co.uk</a>          Tel +44 (0)1543 481616</p>
<b>Revision date</b>	19/06/2019
<b>Revision</b>	2
<b>Supersedes date</b>	6/09/2016
<b>SDS No.</b>	21250
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	<p>H225 Highly flammable liquid and vapour.          H304 May be fatal if swallowed and enters airways.          H315 Causes skin irritation.          H319 Causes serious eye irritation.          H336 May cause drowsiness or dizziness.          H361f Suspected of damaging fertility.          H373 May cause damage to organs through prolonged or repeated exposure.          H411 Toxic to aquatic life with long lasting effects.</p>

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.