

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION: PRODUCT IDENTIFIER/CHEMICAL IDENTITY

1.1 PRODUCT IDENTIFIER: SONAX PROFILINE Hybrid Coating CC One

1.2 PRODUCT CODE: 02670000

1.3 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:

RELEVANT IDENTIFIED USES: Car care product.

RESTRICTIONS ON USE: None known.

1.4 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

SUPPLIER NAME (Australia): Mega Moto Pty Ltd

ADDRESS (Australia): 401 Coolart Road, Somerville, Victoria, 3912

TELEPHONE NUMBER (Australia): 1800 476 629; 0490 513 632

WEBSITE (Australia): www.sonax.com.au

SUPPLIER NAME (New Zealand): Mega Moto Ltd

ADDRESS (New Zealand): Level 2, 18 Broadway, Newmarket, Auckland 1023

TELEPHONE NUMBER (New Zealand): 0800 476 629

WEBSITE (New Zealand): www.sonax.co.nz

E-MAIL: info@sonax.com.au (Aust and NZ)

1.5 EMERGENCY TEL. NUMBER: Australia: 0490 513 632; New Zealand: 0800 476 629;
Poisons Information Centre (Aust 131 126; NZ 0800 764 766)

1.6 HSN0 DETAILS:

HSNO APPROVAL NUMBER: HSR002662.

HSNO GROUP TITLE: Cleaning Products (Flammable) Group Standard 2020.

SECTION 2 – HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE HAZARDOUS CHEMICAL:

GHS CLASSIFICATION HAZARD

CLASS & CATEGORY: Under the Model Work Health and Safety Regulations the product would be rated as hazardous:
Flammable Liquids - Category 2
Eye Damage/Irritation - Category 2A
Reproductive Toxicity - Category 1A
Specific Target Organ Toxicity (Single Exposure) - Category 2
Chronic Aquatic Toxicity - Category 3.

2.2 LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS:

SIGNAL WORD: Danger

PICTOGRAMS:



HAZARD STATEMENTS:

H225 - Highly flammable liquid and vapour.

H319 - Causes serious eye irritation.

H360 - May damage fertility or the unborn child.

H371 - May cause damage to the central nervous system, the eyes and the visual organs.

H412 - Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS:

PREVENTION:

P102 - Keep out of reach of children.

P103 - Read label before use.

P202 - Do not handle until all safety precautions have been read and understood.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

SAFETY DATA SHEET

SECTION 2 – HAZARD(S) IDENTIFICATION Continued

PREVENTION (Continued): P240 - Ground and bond container and receiving equipment.
 P241 - Use explosion-proof electrical, ventilating, lighting equipment.
 P242 - Use non-sparking tools.
 P243 - Take action to prevent static discharges.
 P260 - Do not breathe fume/mist/vapours/spray.
 P264 - Wash hands thoroughly after handling.
 P270 - Do not eat, drink or smoke when using this product.
 P273 - Avoid release to the environment.
 P280 - Wear protective gloves/protective clothing/eye protection/ face protection /hearing protection.

RESPONSE: P101 - If medical advice is needed, have product container or label at hand.
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 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.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P370+P378 - In case of fire: Use carbon dioxide, alcohol resistant foam, dry chemical or water spray for extinction.

STORAGE: P403+P235 - Store in a well-ventilated place. Keep cool.
 P405 - Store locked up.

DISPOSAL: P501 - Dispose of contents/container in accordance with local regulations.

2.3 OTHER HAZARDS: This is a Schedule 5 Poison due to the presence of Methanol. The product is a highly flammable liquid and will potentially form flammable/explosive mixtures in air. There may be static discharge issues with the product that could lead to a fire. As for all chemical products, persons should not expose open wounds, cuts, abrasions or irritated skin to this material.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	Concentration % W/W	GHS Classification*
Ethanol	64-17-5	10% - 15%	Flam Liq 2 - H225 Eye Irrit 2A - H319
Silane, triethoxyoctyl-	2943-75-1	5% - 8%	Skin Irrit 2 - H315 Chron Aq Tox 2 - H411
Distillates, petroleum, hydrotreated light**	64742-47-8	4% - 7%	Asp Haz 1 - H304 AUH066
Methanol	67-56-1	3% - 5%	Flam Liq 2 - H225 Acut Tox 3 - H301 Acut Tox 3 - H311 Acut Tox 3 - H331
1-Butanol, titanium(4+) salt	5593-70-4	1% - <3%	STOT SE 2 - H371 Flam Liq 3 - H226 Skin Irrit 2 - H315 Eye Dam 1 - H318 STOT SE 3 - H335
1-Butanol	71-36-3	< 1%	STOT SE 3 - H336 Flam Liq 3 - H226 Acut Tox 4 - H302 Skin Irrit 2 - H315 Eye Dam 1 - H318 STOT SE 3 - H335 STOT SE 3 - H336

SAFETY DATA SHEET

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Benzene, methyl- [Toluene]	108-88-3	< 1%	Flam Liq 2 - H225 Asp Haz 1 - H304 Skin Irrit 2 - H315 STOT SE 3 - H336 Tox Repro 1A - H360 STOT (RE) 2 - H373
Other non-hazardous ingredients	-	To 100%	Not Applic

Not Applic = Not Applicable

* Please see Section 15 of this SDS for the full text description of the Label Elements.

** The actual component as nominated by the manufacturer is Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics fraction which under the Hydrocarbon Solvents Producers Association (Europe) is covered by CAS Number 64742-48-9.

SECTION 4 – FIRST AID MEASURES

4.1 DESCRIPTION OF NECESSARY FIRST AID MEASURES:

INGESTION:

Rinse mouth out with water. Never give fluid to a person exhibiting decreased awareness. Due to the blend of ingredients present, if swallowed, do NOT induce vomiting. For advice, contact the Poisons Information Centre (phone Australia 131 126; New Zealand 0800 764 766) or a doctor at once. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. As the product has a low viscosity (<20.5cSt @ 40°C), if ingested and irritation develops or persists or vomiting has occurred after ingestion, seek immediate medical assistance.

EYE:

If in eyes, hold eyelids apart and flush the eye immediately with large amounts of running water. Continue flushing for at least 15 minutes or until advised to stop by a Doctor. Check for contact lenses. If there are contact lenses, these should be removed after several minutes of rinsing by the exposed person or medical personnel if it can be done easily. As the product is rated as an eye irritant, after flushing, if irritation develops or persists seek medical assistance.

SKIN CONTACT:

If skin or hair contact has occurred remove any contaminated clothing and footwear, wash skin or hair thoroughly with soap and water. If irritation develops or persists, consult a doctor.

INHALATION:

If affected, remove the patient from further exposure into fresh air, if safe to do so. If providing assistance, avoid exposure to yourself - only enter contaminated environments with adequate respiratory equipment. Once removed, lay patient down in a well-ventilated area and reassure them whilst waiting for medical assistance. If not breathing, provide artificial respiration and seek immediate medical assistance. If unconscious, place in a recovery position and seek immediate medical assistance. If irritation develops or persists, consult a doctor.

PROTECTION FOR FIRST AIDERS:

No personnel shall place themselves in a situation that is potentially hazardous to themselves. Assess the scenario for PPE requirements before entering. Assess environment for flammable vapours before entering. Never enter an environment with a flammable atmosphere. Do not enter contaminated area without a respirator or Self Contained Breathing Apparatus once you have assessed the atmosphere. Due to the blend of the ingredients and of product's low viscosity, if the person has ingested the product, do not use direct mouth-to-mouth resuscitation techniques. Always ensure that you are wearing gloves when dealing with first aid procedures involving chemicals and/or blood.

FIRST AID FACILITIES:

Eye wash fountain and safety showers are recommended in the area where the product is used. As a minimum, a source of running, potable water must be available.

SAFETY DATA SHEET

SECTION 4 – FIRST AID MEASURES Continued

4.2 MOST IMPORTANT SYMPTOMS & EFFECTS, BOTH ACUTE & DELAYED, CAUSED BY EXPOSURE:

ACUTE: The product is rated as an Eye irritant by calculation. Eye contact may lead to localised burning, redness, pain, swelling and tearing. Ingestion may lead to irritation of the mouth and respiratory tract and may cause nausea and diarrhoea. Skin contact may lead to redness or itching. Vapours may cause drowsiness or dizziness. Inhalation of high vapour concentrations, especially in confined spaces, with little natural ventilation, may cause central nervous system depression resulting in dizziness, headache, nausea and possible loss of coordination. Symptoms may include a burning sensation in the nose and throat, coughing or difficulty breathing. The product is also rated as May cause damage to the central nervous system, the eyes and the visual organs and May damage fertility or the unborn child.

CHRONIC: Repeated or prolonged skin contact may also aggravate/exacerbate existing skin conditions, such as dermatitis.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NECESSARY:

ADVICE TO DOCTOR: Treat symptomatically. As the product has a low viscosity (<20.5cSt @ 40°C), and contains a hydrocarbon component, if vomiting has occurred after ingestion, the patient should be monitored for adverse effects to ensure that the product has not aspirated into the lungs.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

SUITABLE MEDIA: Use extinguishing media appropriate for surrounding fire. Use carbon dioxide, alcohol resistant foam, dry chemicals or water spray. Spray down fumes resulting from fire.

UNSUITABLE MEDIA: Avoid using full water jet directed at residual material that may be burning. Water may cause splattering on hot residues.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

COMBUSTION HAZARDS: Combustion may produce oxides of carbon, as well as small amounts of silicon and titanium, smoke and irritating vapours.

5.3 ADVICE FOR FIREFIGHTERS:

FIRE: This product is highly flammable with a typical flash point of 14°C. The vapour is heavier than air and will spread along the ground and may accumulate in low points or depressions. Therefore, ignition may occur well away from the point of release of the material. Keep storage tanks, pipelines, fire exposed surfaces, etc. cool with water spray.

HAZCHEM CODE: ·3YE.

EXPLOSION: No information to indicate that the product is an explosion hazard; though the solvent component, or the hydrolysis by-products of methanol and butanol, may form an explosive mixture with air. NOTE: Under the WHS legislation, this product is rated as Flammable Liquid - Category 2, with a typical Flash point of 14°C. Extinguish all sources of flame or spark. Closed containers may explode when exposed to extreme heat.

PROTECTIVE EQUIPMENT:

In the event of a fire, wear full protective clothing and self-contained breathing equipment with full-face piece operated in the pressure demand or other positive pressure mode.

SAFETY DATA SHEET

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PROTECTION: For small spills, wear Nitrile gloves, glasses/goggles, boots and full-length clothing. During routine operation for a small spill in the open a respirator is not required. However, if mists or vapours are generated, an approved organic vapour/particulate respirator is required. For large spills, or in confined spaces, a full chemically resistant body-suit is recommended and the atmosphere must be evaluated for oxygen deficiency and whether the atmosphere is flammable. If in doubt about potential oxygen deficiency, wear self-contained breathing apparatus. Never enter an environment with a flammable atmosphere.

CONTROL MEASURES: Ventilate area and extinguish and/or remove all sources of ignition. **CAUTION:** Vapour may form an explosive mixture with air. Never enter a spill area unless you know the vapours have dissipated to make the area safe. Stop the leak if safe to do so. **CAUTION:** The spilled product will be slippery. Avoid contact with the spilled material.

EMERGENCY PROCEDURES: In the event of a spill or accidental release, notify the relevant authorities in accordance with all applicable regulations.

6.2 ENVIRONMENTAL PRECAUTIONS:

SPILL ADVICE: Do not allow product to enter drains, surface water, sewers or watercourses - inform local authorities if this occurs. Take precautions against static discharge. Ensure all equipment is grounded and use non-sparking tools during clean up operations.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

CONTAINMENT: Personnel must wear the appropriate clothing as required in Section 6.1 during containment procedures; after the environment has been evaluated for oxygen deficiency and flammable vapours. Contain the spill and absorb with a proprietary absorbent material, sand or earth. **CAUTION:** The spilled product will be slippery. Be careful of static discharges and/or sparking during clean up. For large spills prepare a bund/barrier/dyke ahead of the spill to confine the spill and allow later recovery. If there is the possibility of spills to enter drains, surface water, sewers or watercourses ensure bunding, or that drains are covered, to minimise the potential for this to occur.

CLEANING PROCEDURES: Having contained the spill, as mentioned above, collect all material quickly and place used absorbent in suitable containers. Be careful of static discharges and/or sparking during clean up. Use only non-sparking tools during cleaning operations. **CAUTION:** The spilled product will be slippery. Follow local regulations for the disposal of waste. For large spills that have been banded, the material can be pumped, using flammable liquid equipment, into vessels and returned for reprocessing or destruction. Personnel must wear the appropriate clothing as required in Section 6.1 during cleaning procedures; after the environment has been evaluated. Wash contaminated area and objects with detergent and water after spill has been cleared. Rinse the cleaned area with water. Do not allow wash water or rinsings to enter drains, surface water, sewers or water courses.

SAFETY DATA SHEET

SECTION 7 – HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

7.1 PRECAUTIONS FOR SAFE HANDLING:

SAFE HANDLING:

Avoid contact with the product by using appropriate protective equipment such as gloves, glasses or goggles and full-length clothing. Extinguish any potential sources of ignition before using as flammable vapours will be generated during application. Do not leave containers in direct sunlight. Due to the possibility of pressure build up in the container, open the container with care. Avoid breathing mists or vapours. Do not smoke when handling the material. Prevent small spills and leakage to avoid slip hazards. Properly dispose of any contaminated rags or cleaning materials in order to prevent fire hazards. Eating, drinking, and smoking should be prohibited in the area where this material is handled, stored and processed. Workers should follow good personal hygiene practices, such as washing hands before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Keep containers tightly closed when not in use. Please note that flammable mixtures may be formed when residual material remains in empty containers. Prevent product from entering waterways, drains or sewers. There is the potential for electrostatic accumulation in the product. As a precaution, containers should always be earthed before dispensing commences.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

SAFE STORAGE:

This product is classified as a Class 3 Flammable Liquid (Typical Flash Point 14°C). Store in a dry, well ventilated area away from direct sunlight, ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store only in original containers. It is recommended that the product is stored below 20°C.

INCOMPATIBILITIES:

Oxidising substances including strong acids.

SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 EXPOSURE CONTROL MEASURES:

EXPOSURE LIMIT VALUES: Exposure standards for the product have not been established. The following values are applicable for the major component:

Ethanol

TWA: 1000 ppm 1880 mg/m³

Methanol

TWA: 200 ppm 262 mg/m³ STEL: 250 ppm 328 mg/m³

Butanol

TWA: 50 ppm 152 mg/m³ (Peak Limitations)

Toluene

TWA: 50 ppm 191 mg/m³ STEL: 150 ppm 574 mg/m³

Distillates, petroleum, hydrotreated light (Manufacturer recommendation)

TWA: 165 ppm 1,200 mg/m³ (Vapour, Total Hydrocarbon)

8.2 BIOLOGICAL MONITORING:

No data available.

8.3 CONTROL BANDING:

No data available.

SAFETY DATA SHEET

SECTION 8 – EXPOSURE CONTROLS & PERSONAL PROTECTION Cont'd

8.4 ENGINEERING CONTROLS:

ENGINEERING CONTROLS: Special ventilation is not normally required when using this product in normal use scenarios with good general ventilation. However, at elevated temperatures, or in confined spaces mists or vapour may be generated and local exhaust ventilation should be provided to maintain airborne concentration levels below the nominated exposure standards and at an acceptable level that does not cause irritation. PLEASE NOTE: Due to the highly flammable nature of the product, if there is a necessity to use ventilation equipment it should not be a potential source of ignition for any vapours generated.

8.5 INDIVIDUAL PROTECTION MEASURES:

EYE & FACE PROTECTION: Wear safety glasses/goggles to avoid eye contact when handling. If there is a risk of splashing during use, a full face shield is recommended. Use eye protection in accordance with AS 1336 and AS 1337.

SKIN (HAND) PROTECTION: If there is the chance of contact with the material wear gloves to provide hand protection. Nitrile rubber gloves are recommended.

SKIN (CLOTHING) PROTECTION: During normal operating procedures, long sleeved clothing is recommended to avoid skin contact. Soiled clothing should be washed with detergent prior to re-use.

RESPIRATORY PROTECTION: During routine operation a respirator is not required. However, if mists or vapours are generated, an approved half face organic vapour/particulate respirator is required. Use respirators in accordance with AS 1715 and AS 1716.

THERMAL PROTECTION: Not applicable.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: Colourless liquid.
ODOUR: Characteristic solvent-like odour.
ODOUR THRESHOLD: No data available.
pH: No data available.
MELTING/FREEZING POINT: No data available.
INITIAL BOILING POINT: Typically 60°C.
BOILING RANGE (°C): Typically 60°C - 270°C.
FLASHPOINT (°C): Typically 14°C
EVAPORATION RATE: No data available.
FLAMMABILITY LIMITS (%): Lower: 3.5 Vol%; Upper: 15 Vol% (for CAS: 64-17-5 Ethanol).
VAPOUR PRESSURE (kPa): 59 hPa (for CAS: 64-17-5 Ethanol).
VAPOUR DENSITY: No data available.
DENSITY @ 20.0°C: Typically 0.97 - 0.98 g/cm³.
SOLUBILITY IN WATER(g/L): Partially miscible with water.
PARTITION COEFFICIENT: No data available for the product.
AUTO-IGNITION TEMP (°C): No data available.
DECOMPOSITION TEMP (°C): No data available.
VISCOSITY (cSt @ 100°C): No data available.
VISCOSITY (cSt @ 40°C): Typically <20.5cSt.

SAFETY DATA SHEET

SECTION 10 – STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** The product does not pose any further reactivity hazards other than those listed in the following sub-sections. With its low flash point the product may form explosive mixtures with air at room temperature.
- 10.2 CHEMICAL STABILITY:** Stable under recommended storage and handling conditions (see section 7).
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** Keep away from strong oxidising agents, such as strong acids, chlorates, nitrates and peroxides. Hazardous polymerisation does not occur.
- 10.4 CONDITIONS TO AVOID:** The product has a flash point of Typically 14°C. Avoid ignition sources including heat and sparks. Observe the usual precautionary measures for handling chemicals. Do not heat the container or leave the container open when not in use.
- 10.5 INCOMPATIBLE MATERIALS:** Strong oxidising agents including strong acids and strong alkaline materials.
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** Hazardous decomposition products are not expected to form during normal storage requirements. See Section 5.2 for Hazardous Combustion products.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

The product is a mixture and test data is not available for the product as a whole.

Ethanol

Oral - LD₅₀ (Rat): 10,470 mg/kg
Dermal - LD₅₀ (Rat): >2,000 mg/kg
Inhalation - LC₅₀ (Mouse, 4h): >20 mg/L

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

Oral - LD₅₀ (Rat): >5,000 mg/kg
Dermal - LD₅₀ (Rabbit): >5,000 mg/kg
Inhalation - LC₅₀ (Rat, 8h): >5,000 mg/m³

Toluene

Oral - LD₅₀ (Rat): 5,000 mg/kg
Oral - LD_{L0} (Rabbit): 12,124 mg/kg
Inhalation - LC₅₀ (Mouse, 4d): 5,320 mg/L

Methanol

Oral - LD₀ (Human): 143 mg/kg
Oral - LD₅₀ (Rat): 5,628 mg/kg
Dermal - LD₅₀ (Rabbit): 15,800 mg/kg
Dermal - LD_{L0} (Monkey): 393 mg/kg
Inhalation - LC₅₀ (4d): 83.8 mg/m³

11.2 SWALLOWED:

This is a Schedule 5 Poison. Due to the blend of ingredients and the product's low viscosity, if ingested, caution should be taken in respect to aspiration into the lungs. The product contains components rated as Toxic if swallowed and Harmful if swallowed, however these are present at amounts well below the Concentration cut-off levels. Ingestion of large amounts may lead to nausea and vomiting. During normal usage ingestion should not be a means of exposure.

11.3 SKIN CORROSION/IRRITATION:

This product is not expected to exhibit Dermal Corrosivity/Irritation based on the available data and the known hazards of the components. May be mildly irritating to the skin. The product contains components rated as Toxic in contact with skin and Causes skin irritation, however these are present at amounts below the Concentration cut-off levels. Prolonged or repeated contact may cause defatting of the skin which may lead to dermatitis. Correct handling procedures incorporating appropriate protective clothing and gloves should minimise the risk of skin irritation. People with pre-existing skin conditions, such as dermatitis, should take extreme care so as not to exacerbate the condition.

SAFETY DATA SHEET

SECTION 11 – TOXICOLOGICAL INFORMATION Continued

- 11.4 SERIOUS EYE DAMAGE/ IRRITATION:** This product is rated as Causes serious eye irritation. Symptoms may include localised burning, redness and tearing. Correct handling procedures incorporating appropriate eye protection should minimise the risk of eye irritation.
- 11.5 RESPIRATORY OR SKIN SENSITISATION:** This product is not expected to be a skin sensitiser based on the available data and the known hazards of the components. This product is not expected to be a respiratory tract sensitiser, based on the available data and the known hazards of the components.
- 11.6 GERM CELL MUTAGENICITY:** This product is not expected to be mutagenic based on the available data and the known hazards of the components.
- 11.7 CARCINOGENICITY:** This product is not expected to be a carcinogen based on the available data and the known hazards of the components.
- 11.8 REPRODUCTIVE TOXICITY:** Though present in low levels, the Toluene component means that by calculation this product is rated as May damage fertility or the unborn child.
- 11.9 SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE:** This product is rated as May cause damage to the central nervous system, the eyes and the visual organs. Due to the blend of ingredients, inhalation of vapours or mist may cause irritation to the nose and throat. Inhalation of high vapour concentrations may cause central nervous system depression resulting in dizziness, headache, nausea and possible loss of coordination. Caution should be exercised due to potential high vapour concentrations when working in confined spaces. Exposure to high levels of solvent vapours may impact on the liver and kidneys.
- 11.10 SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE:** There is no data available for the product as a whole. This product is not expected to cause organ damage from prolonged or repeated exposure based on the available data and the known hazards of the components. The product contains a component rated as May cause damage to organs through prolonged or repeated exposure through the oral route, however this is present at amounts well below the Concentration cut-off levels.
- 11.11 ASPIRATION HAZARD:** This product is not expected to be an aspiration hazard, based on the available data and the known hazards of the components. As the product has a low viscosity (<20.5cSt @ 40°C), and contains a hydrocarbon component, if vomiting has occurred after ingestion, the patient should be monitored for adverse effects to ensure that the product has not aspirated into the lungs.
- 11.12 OTHER INFORMATION:** The manufacturer advises that Methanol is readily and rapidly absorbed via all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

SECTION 12 – ECOLOGICAL INFORMATION

- 12.1 ECOTOXICITY:** The manufacturer nominates the following Ecotoxicity data:
- Ethanol**
LC₅₀ (Leuciscus idus, 48h): 8,140 mg/L
EC₅₀ (Daphnia magna, 48h): >1,000 mg/L
EC₅₀ (Chlorella vulgaris, 72h): 275 mg/L

SAFETY DATA SHEET

SECTION 12 – ECOLOGICAL INFORMATION Continued

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics

LL₀ (Oncorhynchus mykiss, 96h): 1,000 mg/L

EL₀ (Daphnia magna, 48h): 1,000 mg/L

EL₀ (Pseudokirchneriella subcapitata, 72h): 1,000 mg/L

Methanol

LC₅₀ (Lepomis macrochirus, 96h): 15,400 mg/L

EC₅₀ (Pseudomonas putida, 16h): 6,600 mg/L

EC₅₀ (Daphia magna, 48h): >1,000 mg/L

There is no data available for the product as a whole. Based upon the nominated values, the product is expected by calculation to be Harmful to aquatic life with long lasting effects.

12.2 PERSISTENCE & DEGRADABILITY:

There is no data available for the product as a whole. The manufacturer states that the Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics component has a Biodegradation of 69 % (28 days).

12.3 BIOACCUMULATIVE POTENTIAL:

There is no data available for the product as a whole.

12.4 MOBILITY IN SOIL:

There is no data available for the product as a whole.

12.5 OTHER ADVERSE EFFECTS:

According to information provided in the supply chain of the product, the mix contains less than 0.1% of any substances classified as PBT or vPvB. The manufacturer states that according to the current state of scientific knowledge, there is no data for the product regarding endocrine disrupting properties with effects on the environment.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 DISPOSAL METHODS: PRODUCT:

The product should not be released to the environment, so any unused material should be recycled wherever possible or be disposed of as hazardous waste at an appropriate collection depot. The product is suitable for incineration at very high temperatures to prevent formation of undesirable combustion products. Spilled product that cannot be recovered should be absorbed and then shovelled into a suitable waste container, such as a plastic drum and then be treated as a solid waste. Follow Government regulations for disposal of such waste. All unused, waste or spilled product must be taken for recycling or disposal by suitably licensed contractors in accordance with Government regulations. Note: Waste product must be handled as a Flammable liquid.

CONTAINERS:

Empty containers may contain residual product. CAUTION: Residues are highly flammable and will ignite with a source of ignition. Containers should be completely drained in a well ventilated area where vapours cannot accumulate and then stored until reconditioned or disposed of. Empty containers should be taken for recycling or disposal through suitably licensed contractors in accordance with Government regulations. As containers may contain highly flammable residues, they should not be pressurised, cut by a grinder, drilled or exposed to heat, flames or other sources of ignition. Closed containers when exposed to such conditions/treatment may explode causing serious injury.

SAFETY DATA SHEET

SECTION 14 – TRANSPORT INFORMATION

This product is regulated for land, sea or air transportation. Limited Quantities package size of <1L applies to this product.

14.1 LAND (ADG Code):

UN NUMBER: 1993
UN PROPER SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. (Contains Ethanol, Methanol, 1-Butanol and Toluene).

TRANSPORT HAZARD

CLASS(ES): 3

PACKAGING GROUP: II

ENVIRONMENTAL

HAZARDS: Yes

SPECIAL PRECAUTIONS

FOR USER: 274.

HAZCHEM CODE: :3YE

14.2 SEA (IMDG):

UN NUMBER: 1993
UN PROPER SHIPPING NAME: Flammable Liquid, n.o.s. (Contains Ethanol, Methanol, 1-Butanol and Toluene).

TRANSPORT HAZARD

CLASS(ES): 3

PACKAGING GROUP: II

ENVIRONMENTAL

HAZARDS: Yes

SPECIAL PRECAUTIONS

FOR USER: A3

14.3 AIR (IATA):

UN NUMBER: 1993
UN PROPER SHIPPING NAME: FLAMMABLE, LIQUID, N.O.S. (Contains Ethanol, Methanol, 1-Butanol and Toluene).

TRANSPORT HAZARD

CLASS(ES): 3

PACKAGING GROUP: II

ENVIRONMENTAL

HAZARDS: Yes (Marine Pollutant)

SPECIAL PRECAUTIONS

FOR USER: 274.

SECTION 15 – REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:

APPLICABLE REGULATIONS:

SUSMP: Schedule 5.

AIIIC: All ingredients are on the AIIIC List.

MONTREAL PROTOCOL: Not applicable to this product.

STOCKHOLM CONVENTION: Not applicable to this product.

ROTTERDAM CONVENTION: Not applicable to this product.

BASEL CONVENTION: Not applicable to this product.

INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS (MARPOL): Not applicable to this product.

SAFETY DATA SHEET

SECTION 15 – REGULATORY INFORMATION Continued

OTHER REGULATORY INFORMATION:

GHS CLASSIFICATION HAZARD CLASS & CATEGORY

AND HAZARD STATEMENT: Flammable Liquids Category 2; H225 - Highly flammable liquid and vapour.
Flammable Liquids Category 3; H226 - Flammable liquid and vapour.
Acute Toxicity - Oral Category 3; H301 - Toxic if swallowed.
Acute Toxicity - Oral Category 4; H302 - Harmful if swallowed.
Aspiration Hazard Category 1; H304 - May be fatal if swallowed and enters airways.
Acute Toxicity - Dermal Category 3; H311 - Toxic in contact with skin.
Skin Corrosion/Irritation Category 2; H315 - Causes skin irritation.
Eye Damage/Irritation Category 1; H318 - Causes serious eye damage.
Eye Damage/Irritation Category 2A; H319 - Causes serious eye irritation.
Acute Toxicity - Inhalation Category 3; H331 - Toxic if inhaled.
Specific Target Organ Toxicity (Single Exposure) Category 3; H335 - May cause respiratory irritation.
Specific Target Organ Toxicity (Single Exposure) Category 3; H336 - May cause drowsiness or dizziness.
Reproductive Toxicity Category 1A; H360 - May damage fertility or the unborn child.
STOT (Single Exposure) Category 1; H370 - Causes damage to the central nervous system, the eyes and the visual organs.
STOT (Single Exposure) Category 2; H371 - May cause damage to the central nervous system, the eyes and the visual organs.
STOT (Repeated Exposure) Category 2; H373 - May cause damage to organs through prolonged or repeated exposure through the oral route.
Chronic Aquatic Toxicity Category 2; H411 - Toxic to aquatic life with long lasting effects.
Chronic Aquatic Toxicity Category 3; H412 - Harmful to aquatic life with long lasting effects.
AUH066 - Repeated exposure may cause skin dryness or cracking.

HSNO APPROVAL NUMBER: HSR002528.

HSNO GROUP TITLE: Cleaning Products (Flammable) Group Standard 2020.

SECTION 16 – ANY OTHER RELEVANT INFORMATION

SDS INFORMATION:

Date of SDS Preparation: 1st October 2021

Revision: 0.0

REVISION CHANGES: Initial preparation of SDS.

ACRONYMS:

SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
CAS Number	Chemical Abstracts Service Registry Number
EINECS	European Inventory of Existing Commercial Chemical Substances
UN Number	United Nations Number
OSHA	Occupational Safety and Health Administration
ACGIH	American Conference of Governmental Industrial Hygienists
HSE-WEL	Health and Safety Executive - Workplace Exposure Limit
EH40	EH40/2005 Workplace Exposure Limits
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
IUCLID	International Uniform Chemical Information Database
RTECS	Registry of Toxic Effects of Chemical Substances
%W/W	Percent weight for weight
OECD	Organisation for Economic Co-Operation and Development
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
HAZCHEM Code	Emergency action code of numbers and letters which gives information to emergency services
NOHSC	National Occupational Health and Safety Commission

SAFETY DATA SHEET

SECTION 16 – ANY OTHER RELEVANT INFORMATION Continued

ACRONYMS (Continued):

AICIS	Australian Industrial Chemicals Introduction Scheme
IMAP	Inventory Multi-Tiered Assessment and Prioritisation
AiIC	Australian Inventory of Industrial Chemicals
TWA	Time-Weighted Average
STEL	Short Term Exposure Limit
HSNO	Hazardous Substances and New Organisms Act 1996
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
WHS	Work Health and Safety PPE Personal Protective Equipment.
LD ₅₀	Median Lethal Dose
LC ₅₀	Median Lethal Concentration
EC ₅₀	Effective Concentration of a substance that causes 50% of the maximum response after exposure for a nominated time
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
ECHA	European Chemicals Agency
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
HCIS	Hazardous Chemical Information System
PBT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and Very Bioaccumulative

LITERATURE REFERENCES AND SOURCES OF DATA:

OECD Guidelines for Testing of Chemicals
Annex I: OECD Test Guidelines for Studies Included in SIDS
Manual for the Assessment of Chemicals Chapter 2 Data Gathering
International Toxicity Testing Guidelines
Hazardous Substance Information System - Guidance Material for Hazard Classifications
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Model Work Health and Safety Regulations.
Model Work Health and Safety Regulations - Transitional Principles
Workplace Exposure Standards for Airborne Contaminants
Australian Dangerous Goods Code 7th Edition
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]
Guidance on the Classification of Hazardous Chemicals under the WHS Regulations
Assigning a Hazardous Substance to a Group Standard
User Guide to the HSNO Thresholds and Classifications
Summary User Guide to the HSNO Thresholds and Classifications of Hazardous Substances
Correlation between GHS and New Zealand HSNO Hazard Classes and Categories
HSNO Control Regulations
Record of Group Standard Assignment
Labelling of Hazardous Substances Hazard and Precautionary Information
Thresholds and Classifications Under the Hazardous Substances and New Organisms Act 1996
Workplace Exposure Standards and Biological Exposure Indices
IMAP Human Health Tier II Assessment for Ethanol, CAS Number 64-17-5.
IMAP Human Health Tier II Assessment for Methanol, CAS Number 67-56-1.
IMAP Human Health Tier II Assessment for Toluene, CAS Number 108-88-3.
IMAP Human Health Tier II Assessment for 1-Butanol, CAS Number 71-36-3.
IMAP Human Health Tier II Assessment for Distillates, petroleum, hydrotreated light, CAS Number 64742-47-8.

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