

**ISOLATE-IT (PAINT ISOLATOR)**

# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830 - United Kingdom (UK).

Version: 01

Revision: 26.02.2016  
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## 1. SECTION 1: Identification of the substance/mixture and of the company/undertaking;

### 1.1 Product Identifier;

**Product Name** Isolate-It (Paint Isolator)

**Product Code:** 0502

**Product Synonyms:**

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

**Product use** Professional use only. Industrial applications

**Use of the  
Substance/mixture** Seals solvent-sensitive coatings.

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

**Churchill Paints Ltd**  
Riverdane Road, Eaton Bank Trading Estate,  
Congleton, Cheshire, CW12 1PN  
Tel. +44(0)1260 290666, Fax. +44(0)1260 290 444

**e-mail address of  
person responsible  
for this SDS** [sales@churchill-paints.co.uk](mailto:sales@churchill-paints.co.uk)

### 1.4 Emergency Telephone Number:

+44(0) 1260 290 666 (office hours only)

## 2. SECTION 2: Hazards identification;

### 2.1 Classification of the substance or mixture;

**Product definition** Mixture

**Classification In accordance with the Classification, Labelling and Packaging Regulation (EC) No 1272/2008**

**Physical hazards** Flam. Liq. 2, H225

**Health hazards** Eye Dam. 1, H318

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STOT SE 3, H336

***Environmental hazards***

Not classified

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 16 for the full text of the H statements declared above. See Section 11 for more detailed information on health effects and symptoms.

**2.2 Label elements*****Hazard pictograms******Signal word***

Danger

***Hazard statements***

H225 - Highly flammable liquid and vapour.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.

***Precautionary Statements******Prevention***

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

***Response***

P303+361+353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor/physician.

***Storage***

P403 + P235 – Store in a well-ventilated place. Keep cool.

***Disposal***

Not applicable

***Hazardous Ingredients***

Not applicable

***Supplemental label elements***

Not applicable

***Annex XVII – Restrictions on the manufacture, placing on the market and use of certain***

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*dangerous substances,  
mixtures and articles.*

Not applicable

**2.3. Other hazards** PBT: This product is not identified as a PBT/vPvB substance.

### **3. SECTION 3: Composition/information on ingredients**

**3.2 Mixtures** Mixture

<i>REACH Registration Number</i>	<i>Chemical name</i>	<i>% by wt.</i>	<i>CAS No.</i>	<i>EC No. (EINEC S)</i>	<i>Index No.</i>	<i>Classification Regulation (EC) No.1272/2008 [CLP]</i>
01-2119457558-25	<b>Propan-2-ol</b>	>10 – <25	67-63-0	200-661-7	603-117-00-0	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336
01-2119457610-43	<b>Ethanol</b>	>10 – <25	64-17-5	200-578-6	603-002-00-5	Flam. Liq. 2, H225
01-2119484609-23	<b>2- methylpropan- 1-ol; iso-butanol</b>	>2.5 – <10	78-83-1	201-148-0	603-108-00-1	Flam. Liq. 3, H226; Acute Tox. 4, H302; STOT SE 3, H335; Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H336
01-2119433307-44	<b>Methanol</b>	< 2.5	67-56-1	200-659-6	603-001-00-X	Flam. Liq. 2, H225; Acute Tox. 3, H331; Acute Tox. 3, H311; Acute Tox. 3, H301; STOT SE 1, H370

*The Full Text for all Hazard Statements on this SDS is displayed in Section 16.*

### **4. SECTION 4: First aid measures**

**4.1. Description of first aid measures**

*Eye contact*

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

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**Inhalation** If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Get medical attention immediately.

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

**Ingestion** If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.

**Protection of first-aiders** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

**Eye contact** There may be irritation and pain. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Inhalation** There may be irritation of the throat with a feeling of tightness in the chest. There may be a feeling of tightness in the chest with shortness of breath.

**Skin contact** There may be redness or whiteness of the skin in the area of exposure. An itchy rash may occur at the site of contact.

**Ingestion** Severe poisoning can cause unconsciousness and severe and persistent nausea and vomiting.

**Delayed / immediate effects** There may be drowsiness, slurred speech, muscular weakness, muscle twitching, tremor, blurred vision, dilated pupils and shock. There may be vomiting and diarrhoea.

**4.3. Indication of any immediate medical attention and special treatment needed**

**Notes to physician** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

**5. SECTION 5: Firefighting measures****5.1. Extinguishing media**

**Suitable extinguishing media**

Carbon dioxide. Dry chemical powder. Alcohol resistant foam.

**ISOLATE-IT (PAINT ISOLATOR)***Unsuitable extinguishing media*

Do not use water jet.

**5.2. Special hazards arising from the substance or mixture***Hazards from the Mixture*

Highly flammable. Vapour may travel considerable distance to source of ignition and flash back. Forms explosive air-vapour mixture.

*Hazardous combustion products*

Decomposition products may include the following materials:

Carbon dioxide  
Carbon monoxide**5.3. Advice for firefighters***Protective actions during firefighting*

Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire-exposed containers cool and disperse vapours. Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

*Special protective equipment for fire-fighters*

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**6. SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures***For non-emergency Personnel*

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Isolate leaks providing there is no additional risk to those performing this task. Personal protection equipment must be used to avoid direct contact with the spillage. Shut off all ignition sources. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

*For emergency responders*

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**ISOLATE-IT (PAINT ISOLATOR)****6.2. Environmental precautions**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

**6.3. Methods and material for containment and cleaning up****Small spill**

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill**

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product.

**6.4. Reference to other sections**

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

**7. SECTION 7: Handling and storage**

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**7.1. Precautions for safe handling**

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring

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material. Empty containers retain product residue and can be hazardous. Do not reuse container.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage precautions** Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

**7.3 Specific end use(s)**

Not available.

<b>8. SECTION 8: Exposure Controls/personal protection</b>
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The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

**8.1. Control parameters**

<i>Occupational exposure limits to be monitored in the work environment</i>					
<i>Ingredient name:</i>	<i>Comment (from EH40)</i>	<i>Time-weighted average – 8 hrs (TWA).</i>		<i>Short-term exposure limits – 15min (STELs)</i>	
		<i>ppm.</i>	<i>mg/m<sup>3</sup></i>	<i>ppm.</i>	<i>mg/m<sup>3</sup></i>
<b>Propan-2-ol</b>		<b>400</b>	<b>999</b>	<b>500</b>	<b>1250</b>
<b>Ethanol</b>		<b>1000</b>	<b>1920</b>		
<b>2-methylpropan-1-ol; iso-butanol</b>		<b>50</b>	<b>154</b>	<b>75</b>	<b>231</b>
<b>Methanol</b>	<b>Sk</b>	<b>200</b>	<b>266</b>	<b>250</b>	<b>333</b>

*Comments are from HSE Guidance Note EH40/2005 Workplace exposure limits (WELs)*

**Sk** : Can be absorbed through skin

**ISOLATE-IT (PAINT ISOLATOR)***DNELs (Workers)*

<i>Ingredient name:</i>	<i>Exposure</i>	<i>Short term</i>		<i>Long term</i>	
		<i>Systemic</i>	<i>Local</i>	<i>Systemic</i>	<i>Local</i>
<b>Propan-2-ol</b>	<i>Oral</i>	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	<i>Dermal</i>	Non-applicable	Non-applicable	888 mg/kg bw/day	Non-applicable
	<i>Inhalation</i>	Non-applicable	Non-applicable	500 mg/m <sup>3</sup>	Non-applicable
<b>Ethanol</b>	<i>Oral</i>	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	<i>Dermal</i>	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
	<i>Inhalation</i>	Non-applicable	1900 mg/m <sup>3</sup>	950 mg/m <sup>3</sup>	Non-applicable
<b>2-methylpropan-1-ol; iso-butanol</b>	Non-applicable	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Non-applicable	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Non-applicable	Non-applicable	Non-applicable	Non-applicable	310 mg/m <sup>3</sup>
<b>Methanol</b>	<i>Oral</i>	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	<i>Dermal</i>	Non-applicable	Non-applicable	6.83 mg/kg	Non-applicable
	<i>Inhalation</i>	Non-applicable	Non-applicable	12.05 mg/m <sup>3</sup>	Non-applicable



**ISOLATE-IT (PAINT ISOLATOR)***DNELs (General Population)*

<i>Ingredient name:</i>	<i>Exposure</i>	<i>Short term</i>		<i>Long term</i>	
		<i>Systemic</i>	<i>Local</i>	<i>Systemic</i>	<i>Local</i>
<b>Propan-2-ol</b>	<i>Oral</i>	Non-applicable	Non-applicable	26 mg/Kg bw/day	Non-applicable
	<i>Dermal</i>	Non-applicable	Non-applicable	319 mg/Kg bw/day	Non-applicable
	<i>Inhalation</i>	Non-applicable	Non-applicable	89 mg/m <sup>3</sup>	Non-applicable
<b>Ethanol</b>	<i>Oral</i>	Non-applicable	Non-applicable	87 mg/kg bw/day	Non-applicable
	<i>Dermal</i>	Non-applicable	Non-applicable	206 mg/Kg bw/day	Non-applicable
	<i>Inhalation</i>	Non-applicable	950 mg/m <sup>3</sup>	114 mg/m <sup>3</sup>	Non-applicable
<b>2-methylpropan-1-ol; iso-butanol</b>	<i>Oral</i>	Non-applicable	Non-applicable	Non-applicable	25 mg/kg bw/day
	<i>Dermal</i>	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	<i>Inhalation</i>	Non-applicable	Non-applicable	Non-applicable	55 mg/m <sup>3</sup>
<b>Methanol</b>	<i>Oral</i>	Non-applicable	Non-applicable	6.87 mg/Kg bw/day	Non-applicable
	<i>Dermal</i>	Non-applicable	Non-applicable	3.42 mg/Kg bw/day	Non-applicable
	<i>Inhalation</i>	Non-applicable	Non-applicable	2.97 mg/m <sup>3</sup>	Non-applicable

**ISOLATE-IT (PAINT ISOLATOR)***PNEC*

<i>Ingredient name:</i>	<i>Environmental sphere</i>	<i>PNEC value</i>
<b>Propan-2-ol</b>	<i>Fresh water</i>	140.9 mg/L
	<i>Marine water</i>	140.9 mg/L
	<i>Fresh water sediment</i>	552 mg/kg
	<i>Marine water sediment</i>	552 mg/kg
	<i>Sewage Treatment</i>	2251 mg/L
	<i>Soil</i>	28 mg/kg
<b>Ethanol</b>	<i>Fresh water</i>	0.96 mg/L
	<i>Marine water</i>	0.79 mg/L
	<i>Fresh water sediment</i>	3.6 mg/kg
	<i>Marine water sediment</i>	2.9 mg/kg
	<i>Sewage Treatment</i>	580 mg/L
	<i>Soil</i>	0.63 mg/kg
<b>2-methylpropan-1-ol; iso-butanol</b>	<i>Fresh water</i>	Non-applicable
	<i>Marine water</i>	Non-applicable
	<i>Fresh water sediment</i>	Non-applicable
	<i>Marine water sediment</i>	Non-applicable
	<i>Sewage Treatment</i>	Non-applicable
	<i>Soil</i>	Non-applicable
<b>Methanol</b>	<i>Fresh water</i>	154 mg/L
	<i>Marine water</i>	15.4 mg/L
	<i>Fresh water sediment</i>	570.4 mg/kg
	<i>Marine water sediment</i>	No data available
	<i>Sewage Treatment</i>	100 mg/L
	<i>Soil</i>	23.5 mg/kg



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### 8.2 Exposure controls:

#### Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### 8.3 Individual protection measures, such as personal protective equipment (PPE)

#### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.



#### Skin protection

**For hands,** 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/manufacture that can provide information about the breakthrough time of the glove material.

**For body,** Personal protective equipment should be selected based on the task being performed and the risks involved.

**For feet,** appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.



Protective gloves



Overall



Safety boots

#### Respiratory Protection

When spraying, use air-fed respirator. Gas/vapour filter, type A: organic vapours (EN141). Self-contained breathing apparatus must be available in case of emergency.

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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.

<b>9. SECTION 9: Physical and Chemical Properties</b>
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9.1. *Information on basic physical and chemical properties*

Appearance

<i>Physical State</i>	Liquid
<i>Colour</i>	Yellow/Brown
<i>Odour</i>	Alcohol
<i>Odour threshold</i>	Not available
<i>pH</i>	Not available
<i>Melting point</i>	Not available
<i>Freezing point</i>	Not available
<i>Initial boiling point</i>	78°C
<i>Boiling range</i>	Not available
<i>Flash point</i>	13°C
<i>Evaporation rate</i>	Not available
<i>Flammability (solid, gas)</i>	Not available
<i>Upper/lower Flammability or Explosive limits</i>	15.0 / 2.0
<i>Vapour pressure</i>	59 hPa
<i>Vapour density</i>	Not available
<i>Relative density</i>	1.112
<i>Solubility(ies)</i>	Not available
<i>Partition coefficient n-octanol/water</i>	Not available
<i>Auto-ignition temperature</i>	300°C
<i>Decomposition temperature</i>	Not available
<i>Viscosity</i>	100 mPas
<i>Explosive properties</i>	Not available
<i>Oxidising properties</i>	Not available

**ISOLATE-IT (PAINT ISOLATOR)****10. SECTION 10: Stability and reactivity****10.1 Reactivity:**

No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical Stability:**

This product is stable.

**10.3 Possibility of hazardous reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid**

In a fire, hazardous decomposition products may be produced.

**10.5 Incompatible materials**

Keep away from: oxidising agents, strong alkalis, strong acids.

**10.6 Hazardous decomposition products**

Decomposition products may include the following materials: carbon monoxide, carbon dioxide and smoke.

**11. SECTION 11: Toxicological information****11.1 Information on toxicological effects**

<i>Ingredient name:</i>	<i>Acute toxicity test</i>	<i>Species</i>	<i>Dose</i>	<i>Exposure</i>
<b>Propan-2-ol</b>	<i>Oral – LD<sub>50</sub></i>	Rat	5045 mg/kg bw	
	<i>Dermal – LD<sub>50</sub></i>	Rat	12800 mg/kg bw	
	<i>Inhalation – LC<sub>0</sub></i>	Rat	72.6 mg/L	4 hrs
<b>Ethanol</b>	<i>Oral – LD<sub>50</sub></i>	Rat	>7000 mg/kg	
	<i>Dermal – LD<sub>50</sub></i>	Rabbit	>15800 mg/kg	
	<i>Inhalation – LC<sub>50</sub></i>	Rat	51 mg/L	4 hrs
<b>2-methylpropan-1-ol; iso-butanol</b>	<i>Oral – LD<sub>50</sub></i>	Rat	3350 mg/kg	
	<i>Dermal – LD<sub>50</sub></i>	Rabbit	2460 mg/kg	
	<i>Inhalation – LC<sub>50</sub></i>	Rat	24.6 mg/L	4 hrs

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<b>Methanol</b>	<i>Oral – LD<sub>50</sub></i>	Rat	>5620 mg/kg	
	<i>Dermal – LD<sub>50</sub></i>	Rabbit	17100 mg/kg	
	<i>Inhalation – LC<sub>50</sub></i>	Rat	128.2 mg/L	4 hrs

***Skin corrosion/irritation***

There may be redness or whiteness of the skin in the area of exposure. An itchy rash may occur at the site of contact.

***Serious eye damage/irritation***

There may be irritation and pain.

***Respiratory or skin sensitization***

There may be irritation of the throat with a feeling of tightness in the chest. There may be a feeling of tightness in the chest with shortness of breath.

***Germ cell mutagenicity***

Based on available data the classification criteria are not met.

***Carcinogenicity***

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

***Reproductive toxicity***

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

***Specific target organ toxicity - single exposure***

May cause drowsiness or dizziness.

***Specific target organ toxicity - repeated exposure***

Based on available data, the classification criteria are not met as it does not contain substances classified as dangerous with repeated exposure. For more information see section 3.

***Aspiration hazard***

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

<b>12. SECTION 12: Ecological Information</b>
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**12.1. Toxicity**

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<i>Ingredient name:</i>	<i>Acute toxicity test</i>	<i>Genus - Species</i>	<i>Dose</i>	<i>Exposure</i>
<b>Propan-2-ol</b>	<i>LC<sub>50</sub></i>	Fish - Pimephales promelas (fathead minnow)	9640 mg/L	96 hrs
	<i>EC<sub>50</sub></i>	Crustacean - Daphnia magna (Water flea)	13299 mg/L	48 hrs
	<i>EC<sub>50</sub></i>	Algae - Scenedesmus subspicatus	1000 mg/L	72 hrs
<b>Ethanol</b>	<i>LC<sub>50</sub></i>	Fish - Oncorhynchus mykiss	13000 mg/L	96 hrs
	<i>LC<sub>50</sub></i>	Crustacean - Daphnia magna (Water flea)	12340 mg/L	48 hrs
	<i>EC<sub>50</sub></i>	Algae – Chlorella vulgaris	275 mg/L	72 hrs
<b>2-methylpropan-1-ol; iso-butanol</b>	<i>LC<sub>50</sub></i>	Fish - Pimephales promelas (fathead minnow)	1430 mg/L	96 hrs
	<i>EC<sub>50</sub></i>	Crustacean - Daphnia magna (Water flea)	1100 mg/L	48 hrs
	<i>EC<sub>50</sub></i>	Algae - Pseudokirchneriella subcapitata	1799 mg/L	72 hrs
<b>Methanol</b>	<i>LC<sub>50</sub></i>	Fish - Lepomis macrochirus:	15400 mg/L	96 hrs
	<i>EC<sub>50</sub></i>	Crustacean - Daphnia magna (Water flea)	>10000 mg/L	48 hrs
	<i>EC<sub>50</sub></i>	Algae – Selenastrum capricornutum:	22000 mg/L	96 hrs

**12.2. Persistence and degradability**

<i>Ingredient name:</i>	<i>Concentration</i>	<i>Duration of test</i>	<i>% Biodegradability</i>
<b>Propan-2-ol</b>	100 mg/L	14 days	86
<b>Ethanol</b>	3 mg/L	20 days	96
<b>2-methylpropan-1-ol; iso-butanol</b>	No data available	28 days	70 - 80
<b>Methanol</b>			Readily biodegradable

**ISOLATE-IT (PAINT ISOLATOR)***12.3. Bioaccumulative potential*

<i>Ingredient name:</i>	<i>BCF</i>	<i>Log P<sub>ow</sub></i>	<i>Potential</i>
Propan-2-ol	3	0.05	Low
Ethanol	10	3	Low
2-methylpropan-1-ol; iso-butanol	3	0.79	Low
Methanol	10	-0.77	Low

*12.4. Mobility in soil*

<i>Ingredient name:</i>	<i>K<sub>oc</sub></i>	<i>HLC</i> <i>(Henry's law constant)</i>	<i>Surface tension</i>
Propan-2-ol	1.5	8.207E-1 Pa·m <sup>3</sup> /mol	22400 N/m (25 °C)
Ethanol	1	0.461 Pa m <sup>3</sup> /mol @ 25°C	No data available
2-methylpropan-1-ol; iso-butanol	2.05	1.19 x 10 <sup>-5</sup> atm·m <sup>3</sup> /mol	22.98 dyne/cm (20° C)
Methanol	9	0.461 Pa m <sup>3</sup> /mol @ 25°C	No data available

*12.5. Results of PBT and vPvB assessment*

This product is not identified as a PBT/vPvB substance.

*12.6. Other adverse effects*

No known significant effects or critical hazards.

<b>13. SECTION 13: Disposal considerations</b>
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*13.1. Waste treatment methods**Disposal methods*

The generation of waste should be avoided or minimised wherever possible. Disposal of this product, should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.



**ISOLATE-IT (PAINT ISOLATOR)***European waste catalogue (EWC)*

<i>Waste code</i>	<i>Description</i>
08 01 11	Waste paint and varnish containing organic solvents or other dangerous substances.

*Packaging*

<i>Waste code</i>	<i>Description</i>
15 01 04	Metallic cans

**14. SECTION 14: Transport information**

		<i>Land</i>	<i>Inland Waterways</i>	<i>Sea</i>	<i>Air</i>
		<i>ADR/RID</i>	<i>ADN</i>	<i>IMDG</i>	<i>ICAO</i>
14.1.	<i>UN number</i>	UN1263	UN1263	UN1263	UN1263
14.2.	<i>UN proper shipping name</i>	Paint related material	Paint related material	Paint related material	Paint related material
14.3.	<i>Transport hazard class(es)</i>	3	3	3	3
14.4.	<i>Packing group</i>	II	II	II	II
14.5.	<i>Environmental hazards Environmentally hazardous - Marine pollutant -----</i>	No -	No -	- No	No -
14.6.	<i>Special precautions for user</i>				
	<i>Tunnel restriction code</i>	D/E			
	<i>EmS number</i>			F-E, S-E	

**15. SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

*EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation.*

**ISOLATE-IT (PAINT ISOLATOR)**

None of the ingredients of this mixture are listed in Annex XIV.

*Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.*

Not applicable.

**15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out.

<b>16. SECTION 16: Other information</b>
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*This safety data sheet conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2015/830.*

**Abbreviations and Acronyms**

DNEL	-	Derived No Effect Level
PNEC	-	Predicted No Effect Concentration
EUH statement	-	CLP-specific Hazard statement
ADR	-	European agreement concerning the international carriage of dangerous goods by road.
RID	-	International carriage of dangerous goods by rail
ADN	-	European Agreement concerning the International carriage of Dangerous Goods by Inland Waterways.
IMDG	-	International maritime dangerous goods code.
IATA	-	International Air Transport Association.
ICAO	-	International Civil Aviation Organisation.
BCF	-	Bio Concentration Factor
LD <sub>50</sub>	-	Lethal Dose 50
LL <sub>50</sub>	-	Lethal Load 50
LC <sub>50</sub>	-	Lethal Concentration 50
EC <sub>50</sub>	-	Effective Concentration 50
EL <sub>50</sub>	-	Effective Load 50
Log P <sub>ow</sub>	-	Octanol-water partition coefficient
K <sub>oc</sub>	-	Partition coefficient of organic carbon
TTC	-	Threshold of Toxicological Concern.
TGK	-	Toxicity Threshold.

**Full Text of Physical Hazards**

H225 – Highly flammable liquid and vapour.

**Full Text of Health Hazards**

H318 – Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.

**Full Text of Environmental Hazards**

Not classified

**ISOLATE-IT (PAINT ISOLATOR)**

*Full Text of  
CLP/GHS  
Classifications*

Flam. Liq. 2,	H225	Highly flammable liquid and vapour.
Flam. Liq. 3	H226	Flammable liquid and vapour.
Acute Tox. 3	H301	Toxic if swallowed.
Acute Tox. 4	H302	Harmful if swallowed.
Acute Tox. 3	H311	Toxic in contact with skin.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Dam. 1,	H318	Causes serious eye damage.
Eye Irrit. 2	H319	Causes serious eye irritation.
Acute Tox. 3	H331	Toxic if inhaled.
STOT SE 3	H335	May cause respiratory irritation.
STOT SE 3,	H336	May cause drowsiness or dizziness.
STOT SE 1	H370	Causes damage to organs.

**Disclaimer**

The information contained in this safety data sheet is based on the state of knowledge and national legislation at the time of the 'revision date' shown on page 1. Further updates to this safety data sheet, in line with changes to legislation and technical knowledge, will be available from Churchill Paints or the Churchill website. Contact Churchill Paints for the latest revision. This safety data sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. It is the user's responsibility to ascertain the suitability of the product for a specific use. As the specific conditions-of-use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.