

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** SURFACE ACTIVATOR

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Cleansing product

**Details of Manufacturer or Importer:**

Soudal Australia Pty Ltd  
Unit 1, 29 Prince William Drive  
Seven Hills NSW 2147

**Phone Number:** 02 8678 7449

**Emergency telephone number:** 1300 507 011

## 2 . HAZARDS IDENTIFICATION

### Hazardous Nature:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

**Signal Word** Danger

### Hazard Statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

### Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P240 Ground/bond container and receiving equipment.

P233 Keep container tightly closed.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use for extinction: CO <sub>2</sub> , powder or water spray.
P312	Call a POISON CENTER/doctor if you feel unwell.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national regulations.

### 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

67-63-0	Propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	>25%
546-68-9	titanium tetraisopropanolate ⚠ Flam. Liq. 3, H226; ⚠ Eye Irrit. 2A, H319	1-<20%

### 4 . FIRST AID MEASURES

**Inhalation:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

**Eye Contact:**

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:**

If swallowed, do not induce vomiting. Rinse mouth with water and give plenty of water to drink. Give activated charcoal. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

**Symptoms Caused by Exposure:**

Inhalation: Irritation of the respiratory tract, dry and sore throat, central nervous system depression, dizziness, headache and narcosis after exposure to high concentrations.

Eye Contact: May cause irritation of the eye tissue.

Ingestion: Central nervous system depression, disturbed motor response, headache, vomiting, nausea and abdominal pain, disturbances of consciousness, dilation of the blood vessels and low arterial pressure after ingestion of large quantities. Following symptoms may appear later: body temperature fall and slow respiration.

### 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:**

Water spray, polyvalent foam, alcohol-resistant foam and carbon dioxide. Solid water jet is ineffective as extinguishing medium.

**Specific Hazards Arising from the Chemical:**

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Hazardous combustion products include oxides of carbon.

If exposed to fire cool the closed containers by spraying with water.

May build up electrostatic charges - risk of ignition. May be ignited by sparks. Gas/vapour spreads at floor level - ignition hazard.

Violent to explosive reaction with (strong) oxidizers. Reacts exothermically with (some) metals. Prolonged storage in large quantities may form peroxides.

**Special Protective Equipment and Precautions for Fire Fighters:**

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

**6 . ACCIDENTAL RELEASE MEASURES****Personal Precautions, Protective Equipment and Emergency Procedures:**

Wear Safe Work Australia approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**Environmental Precautions:**

In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Use only non-sparking tools. Clean contaminated surfaces with an excess of water.

**7 . HANDLING AND STORAGE****Precautions for Safe Handling:**

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Take precautionary measures against static discharge. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents, acids, bases and halogens. Suitable packaging material is tin. Max. storage time is 1 year.

**8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Standards:****67-63-0 Propan-2-ol**

NES	STEL: 1230 mg/m <sup>3</sup> , 500 ppm
	TWA: 983 mg/m <sup>3</sup> , 400 ppm

**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation. Use explosion-proof ventilating equipment. Measure the concentration in the air regularly.

**Respiratory Protection:**

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

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**Skin Protection:**

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Alcoholic
<b>Odour Threshold:</b>	Not determined.
<b>pH-Value:</b>	Not determined.
<b>Melting point/Melting range:</b>	Undetermined.
<b>Initial Boiling Point/Boiling Range:</b>	12 °C
<b>Flash Point:</b>	82 °C
<b>Flammability:</b>	Highly flammable liquid and vapour.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	Not determined.
<b>Explosion Limits:</b>	
<b>Lower:</b>	2.0 Vol %
<b>Upper:</b>	12.0 Vol %
<b>Vapour Pressure at 20 °C:</b>	43 hPa
<b>Density at 20 °C:</b>	800 kg/m <sup>3</sup>
<b>Relative Density at 20 °C:</b>	0.8 g/cm <sup>3</sup>
<b>Vapour Density at 20 °C:</b>	2.1 g/cm <sup>3</sup>
<b>Evaporation Rate:</b>	Not determined.
<b>Solubility in Water:</b>	Soluble in water
<b>Partition Coefficient (n-octanol/water):</b>	Not determined.
<b>VOC:</b>	100 %

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Heat, sparks, open flames and other sources of ignition.

**Incompatible Materials:** Strong oxidising agents, acids, bases and halogens.

**Hazardous Decomposition Products:** Oxides of carbon.

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## 11 . TOXICOLOGICAL INFORMATION

### Toxicity:

LD <sub>50</sub> /LC <sub>50</sub> Values Relevant for Classification:		
<b>67-63-0 Propan-2-ol</b>		
Oral	LD <sub>50</sub>	5045 mg/kg (rat)
Dermal	LD <sub>50</sub>	12800 mg/kg (rabbit)
Inhalation	LC <sub>50</sub> /4 h	30 mg/l (rat)
<b>546-68-9 titanium tetraisopropanolate</b>		
Oral	LD <sub>50</sub>	7460 mg/kg (rat)

### Acute Health Effects

#### Inhalation:

Irritation of the respiratory tract, dry and sore throat, central nervous system depression, dizziness, headache and narcosis after exposure to high concentrations.

**Skin:** Not expected to be a hazard.

**Eye:** Irritation of the eye tissue.

#### Ingestion:

Central nervous system depression, disturbed motor response, headache, vomiting, nausea and abdominal pain, disturbances of consciousness, dilation of the blood vessels and low arterial pressure after ingestion of large quantities. Following symptoms may appear later: body temperature fall and slow respiration.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

#### Carcinogenicity:

Isopropyl alcohol is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause drowsiness and dizziness.

#### Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

#### Chronic Health Effects:

Red and dry skin, itching, cracking of the skin and skin rash/inflammation. Impaired memory.

**Existing Conditions Aggravated by Exposure:** No information available

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available

**Aquatic toxicity:** No information available

**Persistence and Degradability:** Readily biodegradable in water.

**Bioaccumulative Potential:** Does not contain bioaccumulative component.

**Mobility in Soil:** No information available

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**Other adverse effects:** Not classified as dangerous for the ozone layer.**13 . DISPOSAL CONSIDERATIONS****Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

**14 . TRANSPORT INFORMATION**

<b>UN Number</b>	1993
<b>Proper Shipping Name</b>	FLAMMABLE LIQUID, N.O.S.
<b>Dangerous Goods Class</b>	3
<b>Packing Group:</b>	II
<b>Marine pollutant:</b>	No
<b>Hazchem Code:</b>	.3Y
<b>Special Provisions:</b>	274
<b>Limited Quantities:</b>	1 L
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P001, IBC02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	Not applicable
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T7
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP1, TP8, TP28

**15 . REGULATORY INFORMATION****Australian Inventory of Chemical Substances:**

67-63-0	Propan-2-ol
546-68-9	titanium tetraisopropanolate

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:**

Not a scheduled poison.

**16 . OTHER INFORMATION****Creation Date:** 02.02.2015**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds  
LC<sub>50</sub>: Lethal concentration, 50 percent  
LD<sub>50</sub>: Lethal dose, 50 percent  
IARC: International Agency for Research on Cancer  
STEL: Short Term Exposure Limit  
TWA: Time Weighted Average

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NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

### **Disclaimer**

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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