

Code	Description	Size	Colour
19391	Gorilla 696 Surface Activator	100ml	Transparent
19389	Gorilla 696 Surface Activator	500ml	Transparent
19392	Gorilla 696 Surface Activator	5Lt	Transparent

Recommended use:	Cleansing product
HSNO group standard:	Not Classified
UN number, shipping name and packaging group:	1993, Flammable liquid, n.o.s., Special provision 640D
Supplier contact details:	Soudal Ltd 14 Avalon Drive Nawton Hamilton 3200 New Zealand
	Freephone: 0800 70 10 80 Phone: (07) 847 5540 Fax: (07) 847 0324 Email: sales@soudal.co.nz Website: <a href="http://www.soudal.co.nz">www.soudal.co.nz</a>
<b>POISON CENTRE NUMBER: 0800 764 766 (24 hours)</b>	

## 2. Hazards Identification

### 2.1 Hazardous Substances and New Organisms (HSNO) classification:

Classification	Hazard statement
3.1B	Flammable Liquids: high hazard
3.1C	Flammable Liquids: medium hazard
6.1E	Acutely toxic
6.3B	Mildly irritating to the skin
6.4A	Irritating to the eye

### 2.2 Symbols:

**DANGER**



### 2.3 Precautionary Statements:

Read label before use.  
Keep out of reach of children.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Do not spray on an open flame or other ignition source.  
Wash hands thoroughly after handling.

### 3. Composition/Information on Ingredients

#### 3.1 Information on the ingredients used in the substance:

Ingredient	CAS No.	Individual HSNO classification	Concentration (%)
propan-2-ol ( - )	67-63-0 200-661-7	31.B, 6.1E (oral), 6.3B, 6.4A	C>25 %
titanium tetraisopropanolate ( - )	546-68-9 208-909-6	3.1C, 6.4A	1%<C<20%

### 4. First Aid Measures

#### 4.1 Skin contact:

Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.

#### 4.2 Eye contact:

Rinse immediately with plenty of water. Do not apply neutralizing agents. Apply a moist gauze patch.

#### 4.3 Inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

#### 4.4 Ingestion:

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Give activated charcoal. Consult a doctor/medical service if you feel unwell.

#### 4.5 General advice and advice for physicians:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital. Never give alcohol to drink.

### 5. Fire-Fighting Measures

#### 5.1 Extinguishing media:

Water spray. Polyvalent foam. Alcohol-resistant foam. BC powder. Carbon dioxide.

#### 5.2 Special hazards due to combustion:

Upon combustion: CO and CO<sub>2</sub> are formed.

#### 5.3 Advice for fire-fighters:

If exposed to fire cool the closed containers by spraying with water. Do not move the load if exposed to heat. Gloves. Protective goggles. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

#### 5.4 Hazchem code:

No data.

### 6. Accidental Release Measures

#### 6.1 Personal precautions:

See heading 8.2  
Gloves. Protective goggles. Protective clothing.

#### 6.2 Environmental precautions:

Contain leaking substance. Dam up the liquid spill. Try to reduce evaporation. Prevent spreading in sewers. Use appropriate containment to avoid environmental contamination.

### 6.3 Methods for cleaning up:

Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

### 6.4 Disposal:

Collect treated spillage. Contact local and regional authorities for further directions.

## 7. Handling and Storage

### 7.1 Handling:

Use Keep away from naked flames/heat. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Insufficient ventilation: keep naked flames/sparks away. Gas/vapour heavier than air at 20°C. Observe normal hygiene standards. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

### 7.2 Storage:

Store in a cool area. Store in a dry area. Ventilation at floor level. Fireproof storeroom. Provide for an automatic sprinkler system. May be stored under nitrogen. Store at room temperature. Meet the legal requirements. Max. storage time: 1 year(s).

## 8. Exposure Controls/Personal Protection

### 8.1 Exposure limits:

CAS no.	Substance or ingredient	WES-TWA	WES-STEL
67-63-0 200-661-7	propan-2-ol ( - )	400 ppm, 999 mg/m <sup>3</sup> (WES NZ)	500 ppm, 1,250 mg/m <sup>3</sup> (WES NZ)
546-68-9 208-909-6	titanium tetraisopropanolate ( - )	No data.	No data.

### 8.2 Engineering Controls:

Keep away from naked flames/heat. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Insufficient ventilation: keep naked flames/sparks away. Measure the concentration in the air regularly. Work under local exhaust/ventilation.

### 8.3 Exposure controls:

Control	Protective measure
Eye	Use protective goggles.
Respiratory	Wear a gas mask with a filter type A if concentration in air exceeds exposure limits.
Skin	Wear protective clothing.

## 9. Physical and Chemical Properties

### 9.1 General substance properties:

Property	Details
Appearance	Liquid
Odour	Alcohol odour
pH	No data.

Vapour pressure	43 hPa ; 20 °C 295 hPa ; 50 °C
Viscosity	No data.
Boiling Point	> 82 °C
Volatile materials	Contains volatile organic compounds (VOC) of
Freezing/melting point	No data.
Solubility	water ; soluble ; Literature
Specific gravity/density	No data.
Flash point	No data.
Danger of explosion	No data.
Auto-ignition temperature	No data.
Upper and lower flammability limits	No data.
Corrosiveness	No data.

## 10. Stability and Reactivity

### 10.1 Stability:

Stable under normal conditions.

### 10.2 Conditions to avoid:

Keep away from naked flames/heat. Insufficient ventilation: use spark-/explosion proof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Insufficient ventilation: keep naked flames/sparks away.

### 10.3 Incompatible materials to avoid:

Oxidizing agents, (strong) acids, (strong) bases, halogens.

### 10.4 Hazardous decomposition products:

Upon combustion: CO and CO<sub>2</sub> are formed.

## 11. Toxicological Information

### 11.1 Summary of Toxicity

Low toxicity.

### 11.2 Acute toxicity:

Test	Data and symptoms of exposure
Oral	possible lung damage if swallowed.
Dermal	No evidence of dermal toxicity.
Inhaled	Slightly irritant to respiratory organs. Vapours may cause drowsiness and dizziness.
Eye	Irritation to the eye tissue.
Skin	Practically non-toxic in contact with skin. Not irritant to skin

### 11.3 Chronic toxicity:

Test	Data and symptoms of exposure
<b>Sensitisation</b>	Contains substance with uncertain teratogenic properties (2-propanol). Red skin. Dry skin. Itching. Skin rash/inflammation. Impaired memory. Cracking of the skin.
<b>Mutagenicity</b>	Final product not considered mutagenic. No constituent is considered mutagenic.
<b>Carcinogenicity</b>	Final product not considered carcinogenic. No constituent considered carcinogenic.
<b>Reproductive/developmental</b>	Final product not considered a reproductive/developmental toxicant. No constituent is considered a reproductive/developmental toxicant.
<b>Systemic/targeted organs</b>	No effects known.

## 12. Ecological Information

### 12.1 Ecological properties

Ecology	Ecological data
<b>Aquatic ecotoxicity</b>	2-Propanol: LC50 (96h): 9640 mg/l (pimephales Promelas) EC50 (48h): 13299 mg/l (Daphnia Magna) EC50 (72h): 1800 mg/l (Algae)
<b>Soil ecotoxicity</b>	No data.
<b>Terrestrial vertebrate</b>	No data.
<b>Terrestrial invertebrate</b>	No data.
<b>Mobility</b>	No data.
<b>Degradability</b>	No data.

## 13. Disposal Considerations

### 13.1 Disposal methods:

This product may be disposed of in a landfill provided this product will be kept separated from contact with explosives, oxidisers and ignition sources at all times. This product may be disposed of by burning in an incineration facility. This product may be disposed of by purging. Further details can be provided by local and regional authorities.

### 13.2 Disposal restrictions:

The product must not be disposed of in a landfill or purged within range of legally located persons and places, where upon ignition, would expose them to more blast pressure and heat radiation than described in regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. Burning must be managed to the performance requirements of regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. Disposal of this product by landfill, burning or purging must not exceed any relevant exposure limits and/or environmental exposure limits set for the substance or any of its components. Further details can be provided by local and regional authorities.

### 13.3 Special precautions for disposal:

No data.

## 14. Transport Information

#### 14.1 Dangerous goods transport information:

Identification	Details	Identification	Details
UN number	1993	Proper shipping name	Flammable liquid, n.o.s. (contains isopropyl alcohol)
UN class	3	Subsidiary risk	No data.
UN packing group	II	Hazchem code	No data.

#### 14.2 Transport provisions by land according to the Standard for the Transport of Dangerous Goods on Land (NZS 5433):

Special provision codes 190, 327, 344, 625. When using combination packages do not pack more than 1 L per inner packaging for liquids. Packages should be ≤30 kg.

#### 14.3 Transport provisions by sea according to the International Maritime Dangerous Goods (IMDG) code:

Special provision codes 190, 327, 344, 625. When using combination packages do not pack more than 1 L per inner packaging for liquids. Packages should be ≤30 kg.

#### 14.4 Transport provisions by air according to International Civil Aviation Organization (ICAO) Technical Instructions:

Special provision codes A145, A167, A802. Packages should be ≤30 kg.

### 15. Regulatory Information

#### 15.1 HSNO approval number and Group Standard:

No data.

#### 15.2 Group Standard conditions and other regulations:

Condition	Requirement
MSDS	Safety data sheet must be available to a person handling the substance within 10 minutes.
Labelling	Never remove or deface label.
Emergency plan	Required when storing >3,000 L.
Approved handler	Required when storing >3,000 L.
Tracking	Not required.
Bunding and secondary containment	Required when storing >3,000 L.
Signage	Required when storing >3,000 L.
Test certificate	Required when storing >3,000 L.
Flammable zone	Required when storing >3,000 L.
Fire extinguisher	Required when storing >3,000 L.

### 16. Other Information

#### 16.1 Date of preparation or revision:

Revised 20<sup>th</sup> November 2013. Format updated.

#### 16.2 Abbreviations:

Abbreviation	Description
CAS number	Number assigned to chemical in the Chemical Abstracts Service registry

**SAFETY DATASHEET**

HAZCHEM code	Code used by fire-fighters to determine correct method of action in the case of fire
HSNO	Hazardous Substances and New Organisms (Act)
ICAO Technical Instructions	International Civil Aviation Organization Technical Instructions
IMDG code	International Maritime Dangerous Goods code controlled by the International Maritime Organization (IMO)
LC <sub>50</sub>	Lethal concentration 50% - concentration fatal to 50% of the tested population
LD <sub>50</sub>	Lethal dose 50% - dose fatal to 50% of the tested population
NZS 5433	New Zealand Standard 5433 (Standard for the Transport of Dangerous Goods on Land)
SDS	Safety data sheet
STEL	Short term exposure limit
TWA	Time weighted average (typically measured as 8 hours)
UN number	United nations number
WES	Workplace exposure standard

**16.3 References**

Chemical properties and HSNO classifications derived from the New Zealand chemical classification information database (CCID). [www.epa.govt.nz](http://www.epa.govt.nz).

Workplace exposure limits derived from Workplace Exposure Standards and Biological Exposure Indices 7th Edition. [www.mbie.govt.nz](http://www.mbie.govt.nz).

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