

# SAFETY DATA SHEET



## DEOSTOR EXTREME

APPLIED PRODUCTS AUSTRALIA PTY LTD

Catalogue number: AP523

Version No: EP1.1

Issue date: 01/10/2019

Safety Data Sheet according to WHS and ADG requirements

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### Product Identifier

Product name	DEOSTOR EXTREME
Synonyms	AP523
Proper shipping	FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL)
Other means of identification	Not Available

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

Relevant identified uses	Odour neutralizing concentrate
--------------------------	--------------------------------

#### Details of the manufacturer/importer

Registered company name	APPLIED PRODUCTS AUSTRALIA PTY LTD
Address	11 Gamma Close, Beresfield 2322 NSW Australia
Telephone	(02) 4966 5516
Fax	(02) 4966 5510
Website	www.actichem.com.au
Email	info@actichem.com.au

#### Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	13 11 26
Other emergency telephone numbers	Not Available



### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

Poisons Schedule	Not Applicable
GHS Classification [1]	Eye Irritation Category 2A, Skin Corrosion Cat 2, Flammable Liquid Category 2
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HSIS; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

#### Label elements

GHS label elements	 
--------------------	---

SIGNAL WORD	<b>DANGER</b>
-------------	---------------

#### Hazard statement(s)

H226	Flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious eye irritation

#### Precautionary statement(s) Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. NO SMOKING
P271	Use only outdoors or in well ventilated area.
P280	Wear protective gloves and eye protection
P262	Do not get in eyes, on skin or on clothing.
P264	Wash thoroughly after handling.
P273	Avoid release to the environment.

#### Precautionary statement(s) Response

P302+P352+P333+P313	IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs, get medical advice / attention.
P313+P310+P351+P338	IF IN EYES: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P363	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use alcohol resistant foam or normal protein foam for extinction.

#### Precautionary statement(s) Storage

P403+P405+P233	Store locked up, in a well-ventilated place. Keep container tightly closed.
P410+P235	Protect from sunlight. Keep cool.

#### Precautionary statement(s) Disposal

P501	Dispose of contents / container in accordance with local government regulations
------	---

### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

#### Substances

See section below for composition of Mixtures

#### Mixtures

CAS No	%[weight]	Name
67-63-0	30--60%	<u>isopropanol</u>
112-27-6	<10	<u>Ethanol, 2,2'-(1,2-ethanediyl)bis(oxy)bis-</u>
Proprietary	1-<10%	<u>Essential oils</u>

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### SECTION 4 FIRST AID MEASURES

#### Description of first aid measures

<b>Eye Contact</b>	<p>If this product comes in contact with the eyes:</p> <p>Seek medical attention without delay</p> <p>Wash out immediately with fresh running water.</p> <p>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</p> <p>If pain persists or recurs seek medical attention.</p> <p>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</p>
<b>Skin Contact</b>	<p>If skin contact occurs:</p> <p>Immediately remove all contaminated clothing, including footwear.</p> <p>Flush skin and hair with running water (and soap if available).</p> <p>Seek medical attention in event of irritation.</p>
<b>Inhalation</b>	<p>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</p> <p>Other measures are usually unnecessary.</p>
<b>Ingestion</b>	<p>Immediately give a glass of water.</p> <p>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</p>

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

Treat symptomatically.

### SECTION 5 FIREFIGHTING MEASURES

#### Extinguishing media

<b>Extinguishing media</b>	There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.
----------------------------	---

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

<b>Fire incompatibilities</b>	Avoid contamination with oxidising agents
-------------------------------	---

#### Advice for firefighters

<b>Fire fighting</b>	<p>Alert Fire Brigade and tell them location and nature of hazard. May be violently or explosively reactive.</p> <p>Wear breathing apparatus plus protective gloves in the event of a fire.</p> <p>Prevent, by any means available, spillage from entering drains or water course. Consider evacuation (or protect in place).</p> <p>Fight fire from a safe distance, with adequate cover.</p> <p>If safe, switch off electrical equipment until vapour fire hazard removed.</p> <p>Use water delivered as a fine spray to control the fire and cool adjacent area. Avoid spraying water onto liquid pools.</p> <p>Do not approach containers suspected to be hot.</p>
<b>Fire/Explosion Hazard</b>	<p>Liquid and vapour are highly flammable.</p> <p>Severe fire hazard when exposed to heat, flame and/or oxidisers. Vapour may travel a considerable distance to source of ignition.</p> <p>Heating may cause expansion or decomposition leading to violent rupture of containers.</p> <p>On combustion, may emit toxic fumes of carbon monoxide (CO), carbon dioxide (CO2), silicon dioxide (SiO2) and other pyrolysis products typical of burning organic material.</p>

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Minor Spills</b>	<p>Remove all ignition sources. <b>NO SMOKING</b> Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb small quantities with vermiculite or other absorbent material. Wipe up. Collect residues in a flammable waste container.</p>
<b>Major Spills</b>	<p>Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. <b>NO SMOKING</b>, naked lights or ignition sources. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. Consider evacuation (or protect in place). Increase ventilation. Stop leak if safe to do so. Water spray or fog may be used to disperse /absorb vapour. Absorb on sand, dirt, vermiculite or similar absorbent material. Place into labelled drums and dispose of according to local government regulations. Immediately notify emergency services (Police or Fire Brigade) if the spill is too large for you to safely and effectively handle.</p>
	<p>Personal Protective Equipment advice is contained in Section 8 of the SDS.</p>

## SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

<b>Safe handling</b>	<p>Containers, even those that have been emptied, may contain explosive vapours. Do NOT cut, drill, grind, weld or perform similar operations on or near containers. <b>DO NOT allow clothing wet with material to stay in contact with skin.</b> Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps. <b>DO NOT enter confined spaces until atmosphere has been checked.</b> <b>Avoid smoking, naked lights, heat or ignition sources</b> <b>When handling DO NOT eat, drink or smoke.</b> Vapour may ignite on pumping or pouring due to static electricity.</p>
<b>Other information</b>	<p>Store in original containers in approved flame-proof area. <b>No smoking, naked lights, heat or ignition sources.</b> <b>DO NOT store in pits, depressions, basements or areas where vapours may be trapped.</b> Keep containers securely sealed. Store away from incompatible materials in a cool, dry and well ventilated area. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.</p>

### Conditions for safe storage, including any incompatibilities

<b>Suitable container</b>	<p>Polyethylene or polypropylene container. Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.</p>
<b>Storage incompatibility</b>	<p>Avoid reaction with oxidising agents</p>

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

#### OCCUPATIONAL EXPOSURE LIMITS (OEL)

#### INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	isopropanol	Isopropyl alcohol	683 mg/m3 / 400 ppm	1230 mg/m3 / 500 ppm	Not Available	Not Available
Australia Exposure Standards	Ethanol, 2,2'-(1,2-ethanediylbis(oxy))bis-;		Not Available	Not Available	Not Available	



#### EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
isopropanol	Isopropyl alcohol	400 ppm	400 ppm	12,000 ppm
Ethanol, 2,2'-(1,2-ethanediylbis(oxy))bis-;	Ethanol, 2,2'-(1,2-ethanediylbis(oxy))bis-;	Not available	Not available	Not available

Ingredient	Original IDLH	Revised IDLH
isopropanol	12,000 ppm	2,000 [LEL] ppm
Ethanol, 2,2'-(1,2-ethanediylbis(oxy))bis-;	not available	Not available

## Exposure controls

<b>Appropriate engineering controls</b>	Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate. If ventilation is poor, then the use of a local exhaust ventilation system is recommended
<b>Personal protection</b>	 
<b>Eye and face protection</b>	Safety glasses with side shields OR Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. Lens should be removed at the first signs of eye redness or irritation. Lens should be removed in a clean environment only after workers have washed hands thoroughly.
<b>Skin protection</b>	See Hand protection below
<b>Hands/feet protection</b>	It is good practice to wear protective gloves when handling chemicals. Neoprene gloves are recommended for this application.
<b>Body protection</b>	See Other protection below
<b>Other protection</b>	Eye wash unit.
<b>Thermal hazards</b>	Not Available

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid		
<b>Physical state</b>	Liquid	<b>Relative density (Water = 1)</b>	Not Available
<b>Odour</b>	Strongly Fragrant	<b>Partition coefficient n-octanol / water</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature (°C)</b>	Not Available
<b>pH (as supplied)</b>	7 - 8	<b>Decomposition temperature</b>	Not Available
<b>Melting point / freezing point (°C)</b>	Not Available	<b>Viscosity (cSt)</b>	Not Available
<b>Initial boiling point and boiling range (°C)</b>	Not Available	<b>Molecular weight (g/mol)</b>	Not Available
<b>Flash point (°C)</b>	Not Applicable	<b>Taste</b>	Not Available
<b>Evaporation rate</b>	Not Available	<b>Explosive properties</b>	Not Available
<b>Flammability</b>	Not Applicable	<b>Oxidising properties</b>	Not Available
<b>Upper Explosive Limit (%)</b>	Not Applicable	<b>Surface Tension (dyn/cm or mN/m)</b>	Not Available
<b>Lower Explosive Limit (%)</b>	Not Applicable	<b>Volatile Component (%vol)</b>	Not Available
<b>Vapour pressure (kPa)</b>	Not Available	<b>Gas group</b>	Not Available
<b>Solubility in water (g/L)</b>	Complete	<b>pH as a solution (1%)</b>	Not Available
<b>Vapour density (Air = 1)</b>	Not Available	<b>VOC g/L</b>	Not Available

## SECTION 10 STABILITY AND REACTIVITY

<b>Reactivity</b>	See section 7
<b>Chemical stability</b>	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.
<b>Possibility of hazardous reactions</b>	See section 7
<b>Conditions to avoid</b>	See section 7
<b>Incompatible materials</b>	See section 7
<b>Hazardous decomposition products</b>	See section 5

## SECTION 11 TOXICOLOGICAL INFORMATION

### Information on toxicological effects

Inhaled	The material is not thought to produce adverse health effects of the respiratory tract (as classified by EC Directives using animal models). However it is, good hygiene practice for exposure be kept to a minimum and that suitable control measures be used in an occupational setting.
Ingestion	The material has <b>NOT</b> been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence.
Skin Contact	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.
Eye	This material can cause eye irritation in some persons. Eye contact may cause tearing or blurring of vision.
Chronic	No relative data is listed.

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity

The product is not considered to be ecotoxic

### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
isopropanol	LOW (Half-life = 14 days)	LOW (Half-life = 3 days)
Ethanol, 2,2'-(1,2-ethanediylbis(oxy))bis-	Not available	Not available

### Bio accumulative potential

Ingredient	Bioaccumulation
isopropanol	LOW (BCF = 130)
Ethanol, 2,2'-(1,2-ethanediylbis(oxy))bis-	Not available

### Mobility in soil

Ingredient	Mobility
isopropanol	HIGH (KOC = 1.06)
Ethanol, 2,2'-(1,2-ethanediylbis(oxy))bis-	Not available

## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

Product / packaging disposal	Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations
------------------------------	--

## SECTION 14 TRANSPORT INFORMATION

### Labels Required

	
Marine Pollutant	NO
HAZCHEM	•3Y

### Land Transport

UN number	1993
Packing group	III
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL)
Environmental hazard	No relevant data
Transport hazard class	Class 3
	Sub risk Not Applicable
Special precautions for user	Special provisions 274
	Limited quantity 1L

---

## SECTION 15 REGULATORY INFORMATION

---

### Safety, health and environmental regulations / legislation specific for the substance or mixture

#### ISOPROPANOL (67-63-0) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards  
Australia Hazardous Substances Information System - Consolidated Lists  
Australia Inventory of Chemical Substances (AICS)  
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

#### Ethanol, 2,2'-[1,2-ethanediylbis(oxy)]bis-; (112-27-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Exposure Standards  
Australia Hazardous Substances Information System - Consolidated Lists  
Australia Inventory of Chemical Substances (AICS)  
International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

---

## SECTION 16 OTHER INFORMATION

---

### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at: [www.chemwatch.net](http://www.chemwatch.net)

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

#### Definitions and abbreviations

PC-TWA;	Permissible Concentration-Time Weighted Average
PC-STEL;	Permissible Concentration-Short Term Exposure Limit
IARC;	International Agency for Research on Cancer
ACGIH;	American Conference of Government Industrial Hygienists
STEL;	Short Term Exposure Limit
TEEL;	Temporary Emergency Exposure Limit
IDLH;	Immediate Danger to Life or Health Concentrations
OSF;	Odour Safety Factor
NOAEL;	No Observed Effects Level
TLV;	Threshold Limit Value
LOD;	Limit Of Detection
OTV;	Odour Threshold Value
BCF;	Bio Concentration Factors
BEI;	Biological Exposure Index

This document is copyright.

Apart from any fair dealing for the purposes of private study, research, review or criticism, as permitted under the Copyright Act, no part may be reproduced by any process without written permission from CHEMWATCH.

TEL (+61 3) 9572 4700.

**End of SDS**