



## SAFETY DATA SHEET

### Section 1: Chemical Product and Company Identification

<b>Identification</b>	Behenyl Alcohol 70
<b>Trade Name</b>	Copranol - 70
<b>CAS #</b>	661-19-8
<b>Product use</b>	Not available
<b>Recommended Restrictions</b>	Not available
<b>Synonym(s)</b>	1-Docosanol
<b>Chemical formula</b>	C <sub>22</sub> H <sub>46</sub> O
<b>Company information</b>	Magnakron Corporation 300 Rike Drive Millstone Twp., NJ, 08535 732-928-5800 Info@magnakron.com Chemtrec: 1-800-424-9300
<b>24 Hour Emergency response Information</b>	
<b>Chemtrec number</b>	

### Section 2: Hazards identification

**Classification of the substance or mixture** The product is not classified according to the Globally Harmonized System (GHS)

• **Hazard statements:**

Code	Health Hazard Statement	Hazard Class (GHS Chapter)	Hazard Category
H303	May be harmful if swallowed	Acute toxicity, oral (chapter 3.1)	5
H335	May cause respiratory irritation	Acute toxicity, inhalation (chapter 3.8)	3

• **Precautionary Statements:**

Code	Health Hazard Statement	Hazard Class (GHS Chapter)	Hazard Category
P301	May cause slight irritation to gastrointestinal tract.	Acute toxicity, oral (chapter 3.1)	1
P304	No harmful effect expected at ambient temperature. Mist or vapors could cause irritation to the pulmonary tract	Respiratory sensitization (chapter 3.4)	1

**Results of PBT**

PBT: Not applicable

vPvB: Not applicable



### Section 3: Composition/information on ingredients

Components	CAS #	Percent (%)
Docosan-1-ol	661-19-8	65-80%
Octadecan-1-ol	112-92-5	5-20%
Icosan-1-ol	629-96-9	10-20%
Tetracosan-1-ol	506-51-4	max 2%
Hexadecan-1-ol	36653-82-4	max 2%

### Section 4: First aid measures

#### First aid procedures

##### After Inhalation

Supply fresh air, consult doctor in case of complaints.

##### After Skin Contact

Immediately wash off with soap and plenty of water and rinse thoroughly. Generally, does not irritate the skin.

##### After Eye

Rinse thoroughly with plenty of water for several minutes.

##### After Ingestion

Do not induce vomiting and drink plenty of water. If symptoms persist consult a doctor.

#### Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

### Section 5: Fire-fighter measures

#### Extinguishing media

##### Suitable extinguishing media

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

##### Specific hazards arising from the chemical

In case of fire, the following can be released:  
Carbon monoxide (CO)  
Carbone dioxide (CO<sub>2</sub>)

##### Protective equipment and precautions for firefighters

Wear self-contained respiratory protective device.

### Section 6: Accidental release measures



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<b>Personal precautions</b>	Wear protective equipment. Keep unprotected persons away. Use respiratory protective device against the effects of fumes/dust/aerosol.
<b>Environmental precautions</b>	Do not allow product to reach sewage system or any waterway.
<b>Spill precautions</b>	Material can create slippery conditions
<b>Methods for cleaning up</b>	Sweep up, place in a bag and hold for waste disposal. If liquid, soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust.) Avoid raising dust. Ventilate area and wash spill site after material pickup is complete. Do not flush into surface water or sanitary sewer system.

## Section 7: Handling and storage

<b>Precautions for safe handling</b>	Keep away from heat and direct sunlight Store in a cool, dry place in tightly closed vessels. Open and handle vessels with care.
<b>Information about fire and explosion protection</b>	Keep away from ignition sources – Do not smoke. Keep respiratory protective device available.
<b>Storage/ transport pressure</b>	Store away from oxidizing agents. Keep container tightly sealed Protect from heat and direct sunlight

## Section 8: Exposure controls / personal protection

<b>Recommended monitoring procedures</b>	Ensure adequate ventilation, especially in confined areas
<b>Ingredients with limit values that require monitoring at the workplace:</b>	Not required

### Personal protective equipment Eye/face protection

Tightly sealed goggles



### Skin protection

Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber. Chlorinated polyethylene. Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl chloride ("PVC" or "vinyl"). Styrene/butadiene rubber. Viton. Examples of acceptable glove barrier materials include:

Natural rubber ("latex"). Polyvinyl alcohol ("PVA"). **NOTICE:** The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential



body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.



Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

## Inhalation

No personal respiration protective equipment normally required. Inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odors exist or where aerosols are in use, or smoke and mist occur, use self-contained breathing apparatus or breathing apparatus with a type A filter or appropriate combined filter (e.g. where aerosols are in use, or smoke and mist occur, A-P2 or ABEK-P2), in compliance with EN 141..

## Exposure Guidelines

Contains no substances with occupational exposure limit values.

### Section 9: Physical and chemical properties

<b>Appearance</b>	White flakes (clear liquid when melted)
<b>Physical state</b>	Solid
<b>Color</b>	White
<b>Odor</b>	Characteristic
<b>pH</b>	Not available
<b>Melting point/Freezing point</b>	60-68°C (140-154°F)
<b>Boiling point</b>	360-400°C (680-750°F)
<b>Flash point</b>	approximately 200°C (392°F)
<b>Evaporation rate</b>	Not available
<b>Flammability limits in air, lower % by volume</b>	Product is not flammable
<b>Flammability limits in air, upper % by volume</b>	Product is not flammable
<b>Vapor pressure at 38°C (100°F):</b>	0.001mbar
<b>Vapor density</b>	
<b>Relative density</b>	0.85g/cm <sup>3</sup>
<b>Solubility (H<sub>2</sub>O)</b>	Insoluble
<b>Octanol/H<sub>2</sub>O coeff</b>	7.4-8.3 log POW
<b>Auto-ignition temperature</b>	Product is not self-igniting
<b>Decomposition temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Specific Gravity</b>	Not available

### Section 10: Stability and reactivity

<b>Chemical stability</b>	Stable at environmental temperature
<b>Possibility of hazardous reactions</b>	Reacts with oxidizing agents
<b>Conditions to avoid</b>	see Section 7 on safe handling
<b>Materials to avoid</b>	see Section 7 on safe handling
<b>Hazardous Decomposition Products</b>	Irritant gasses/vapors Carbon Monoxide and carbon dioxide



## Section 11: Toxicological Information

### Toxicological data

Product	Test Results
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Information on toxicological effects

#### Acute toxicity:

LD/LC50 values that are relevant for classification:

##### 661-19-8 docosan-1-ol

Oral LD50 >2000 mg/kg bw (rat)

##### 629-96-9 icosan-1-ol

Oral LD50 >10000 mg/kg bw (rat)

Dermal LD50 >16800 mg/kg (rabbit)

#### Primary irritant effect:

**On the skin:** No irritant effect

**On the eye:** No irritating effect

**Sensitization:** No sensitizing effects known.

**Subacute to chronic toxicity:** No studies available for the product.

CAS: 661-19-8

In a reliable study conducted according to a protocol very similar to OECD guideline 408, a repeated oral dose (26-week) NOAEL of 1000 mg/kg bw/day was determined in the rat. The study was performed in compliance with GLP

#### Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

#### Carcinogenic categories

##### IARC (International Agency for Research on Cancer)

None of the ingredients is listed

##### NTP (National Toxicology Program)

None of the ingredients is listed

##### OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed

## Section 12: Ecological Information

### Toxicity to Aquatic Life

661-19-8 docosan-1-ol	
EC50 (48H)	>100mg/L (Daphnia magna)
LC50 (96h)	>1000 mg/L Fish (Onchorhynchus mykiss (Rainbow Trout))
629-96-9 icosan-1-ol	
EC50 (48hr)	>100mg/L (Daphnia magna)
LC50 (96hr)	>100mg/L (Fish)

#### Biodegradation

Not easily biodegradable

#### Bioaccumulative Potential

Does not accumulate in organisms

#### Mobility in soil

No further relevant information available

#### Additional ecological information

#### General notes:

Generally not hazardous for water



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## Results of PBT

PBT: No

vPvB: No

## Section 13: Disposal Considerations

### Waste Treatment methods

#### Recommendations

Dispose of waste material according to local, state and federal regulations. Suitable for incineration.

### Uncleaned Packaging

#### Recommendations

Disposal must be made according to official regulations.

## Section 14: Transport Information

### DOT

Not a DOT controlled material

#### Basic shipping requirements:

UN number

Proper shipping name

Hazard class

Packing group

#### Additional information:

Special provisions

Packing exceptions

Packaging non bulk

Packaging bulk

Pollution category

Ship type

ERG number

Hazard ID

## Section 15: Regulatory Information

### Hazard Pictograms

not applicable

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

Sara

#### Section 355 (extremely hazardous substances):

None of the ingredients is listed

#### Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

#### TSCA (Toxic Substances Control Act):

All ingredients are listed

#### Proposition 65

#### Chemicals known to cause cancer:

None of the ingredients is listed.

#### Carcinogenic categories

#### EPA (Environmental Protection Agency)

None of the ingredients is listed.

#### TLV (Threshold Limit Value established by ACGIH)

TLV (ACGIH): 1000ppm

#### NIOSH-Ca (National Institute for Occupational Safety and Health)



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None of the ingredients is listed

**Product related hazard information:**

Observe the general safety regulations when handling chemicals.

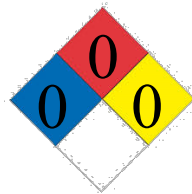
The product is not subject to identification regulations according to directives on hazard materials.

**National regulations:**

**Other regulations, limitations and prohibitive regulations:** User to follow national law and regulations

<b>Section 16: Other Information</b>
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	<u>Health</u>	<u>Flammability</u>	<u>Physical Hazard / Instability</u>
HMIS® ratings	0	0	0
NFPA ratings	0	0	0



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**Abbreviations and acronyms:**

**IMDG:** International Maritime Code for Dangerous Goods

**IATA:** International Air Transport Association

**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)

**DNEL:** Derived No-Effect Level (REACH)

**PBT:** Persistent, Bioaccumulative and Toxic

**vPvB:** very Persistent and very Bioaccumulative