# SIGMA-ALDRICH

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SAFETY DATA SHEET

Version 5.5 Revision Date 05/27/2016 Print Date 11/14/2018

		IDENTIFICATION				
1.1	Product identifiers Product name	<sup>:</sup> Dioctyltin oxid	e			
	Product Number Brand	: S512613 : Aldrich				
	CAS-No.	: 870-08-6				
1.2	Relevant identified uses of the substance or mixture and uses advised against					
	Identified uses	: Laboratory chemica	ls, Synthesis of substances			
1.3	Details of the supplier of the safety data sheet					
	Company	: Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO USA				
	Telephone Fax	: +1 800-325-5832 : +1 800-325-5052				
1.4	Emergency telephone number					
	Emergency Phone #	: +1-703-527-3887 (C	HEMTREC)			
2. HA	ZARDS IDENTIFICATION	N				
2.1	Classification of the su	ibstance or mixture				
	Not a hazardous substance or mixture.					
2.2	GHS Label elements, including precautionary statements					
	Not a hazardous substance or mixture.					
2.3						
3. CC	MPOSITION/INFORMAT	ION ON INGREDIENTS				
3.1	<b>Substances</b> Formula Molecular weight CAS-No. EC-No.	: C16H34OSN : 361.15 g/mol : 870-08-6 : 212-791-1				
	Hazardous component	S				
	Component		Classification	Concentration		
	Dioctyltin oxide			<= 100 %		

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

## In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed** No data available

## 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

#### Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- 5.2 Special hazards arising from the substance or mixture No data available
- **5.3** Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.
- 5.4 Further information No data available

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Avoid breathing
dust.
For personal protection see section 8.

6.2 Environmental precautions Do not let product enter drains.

- 6.3 Methods and materials for containment and cleaning up Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections

For disposal see section 13.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.Normal measures for preventive fire protection. For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities** Keep container tightly closed in a dry and well-ventilated place.

#### **7.3** Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Components with workplace control parameters

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Component	CAS-No.	Value	Control	Basis			
Dioctyltin oxide	870-08-6	TWA	0.100000 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air			
		TWA	0.100000	Contaminants USA, ACGIH Threshold Limit Values			
		IVVA	0.100000 mg/m3	(TLV)			
	Remarks	Central nervous system Immune effects					
		Upper Respiratory Tract irritation					
		Headache	Headache Eye irritation				
		Nausea	OII				
			fiable as a human	carcinogen			
			Danger of cutaneous absorption				
		varies STEL	0.00000				
		STEL	0.200000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)			
		Central ne	ervous system				
		Immune e	ffects				
			spiratory Tract irrit	ation			
		Headache Eye irritati					
		Nausea	OII				
			fiable as a human	carcinogen			
			cutaneous absorp	otion			
		varies	0.400000				
		TWA	0.100000 mg/m3	USA. NIOSH Recommended Exposure Limits			
		Also see s	pecific listing for C				
		Potential for dermal absorption					
		TWA	0.1 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants			
		TWA	0.1 mg/m3	USA. ACGIH Threshold Limit Values (TLV)			
			rvous system				
		Immune et		ation			
		Headache	spiratory Tract irrit	allon			
		Eye irritati					
		Nausea					
			fiable as a human				
		Danger of cutaneous absorption varies					
		STEL	0.2 mg/m3	USA. ACGIH Threshold Limit Values (TLV)			
			rvous system				
		Immune e					
		Upper Res Headache	spiratory Tract irrit	ation			
		Eye irritati					
		Nausea					
			fiable as a human				
		Danger of varies	cutaneous absorp	DTION			
		TWA	0.1 mg/m3	USA. NIOSH Recommended			
			pecific listing for C	Exposure Limits			
			or dermal absorpti				

PEL	0.1 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
Skin		
STEL	0.2 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)
Skin		

#### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

#### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

#### **Body Protection**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Do not let product enter drains.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

- a) Appearance Form: solid
- b) Odour No data available
- c) Odour Threshold No data available

d)	рН	No data available		
e)	Melting point/freezing point	No data available		
f)	Initial boiling point and boiling range	No data available		
g)	Flash point	No data available		
h)	Evaporation rate	No data available		
i)	Flammability (solid, gas)	No data available		
j)	Upper/lower flammability or explosive limits	No data available		
k)	Vapour pressure	No data available		
I)	Vapour density	No data available		
m)	Relative density	No data available		
n)	Water solubility	No data available		
o)	Partition coefficient: n- octanol/water	No data available		
p)	Auto-ignition temperature	No data available		
q)	Decomposition temperature	No data available		
r)	Viscosity	No data available		
s)	Explosive properties	No data available		
t)	Oxidizing properties	No data available		
<b>Other safety information</b> No data available				

## **10. STABILITY AND REACTIVITY**

#### 10.1 Reactivity

9.2

No data available

**10.2 Chemical stability** Stable under recommended storage conditions.

- **10.3 Possibility of hazardous reactions** No data available
- **10.4 Conditions to avoid** No data available
- **10.5** Incompatible materials Strong oxidizing agents

#### 10.6 Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides Other decomposition products - No data available

In the event of fire: see section 5

## 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral - Rat - 2,500 mg/kg

Inhalation: No data available

Dermal: No data available

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation No data available

**Respiratory or skin sensitisation** No data available

Germ cell mutagenicity

No data available

#### Carcinogenicity

- IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

## Reproductive toxicity

No data available

No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available

Additional Information RTECS: WH7620000

## **12. ECOLOGICAL INFORMATION**

## 12.1 Toxicity

No data available

- 12.2 Persistence and degradability No data available
- **12.3 Bioaccumulative potential** No data available
- 12.4 Mobility in soil No data available

#### 12.5 Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

## 12.6 Other adverse effects

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No data available

## **13. DISPOSAL CONSIDERATIONS**

#### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### **Contaminated packaging**

Dispose of as unused product.

## **14. TRANSPORT INFORMATION**

#### DOT (US)

Not dangerous goods

#### IMDG

Not dangerous goods

#### ΙΑΤΑ

Not dangerous goods

## 15. REGULATORY INFORMATION

#### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Hazards

No SARA Hazards

#### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know Components

Dioctyltin oxide	CAS-No. 870-08-6	Revision Date 1993-02-16
New Jersey Right To Know Components		Devision Data
Dioctyltin oxide	CAS-No. 870-08-6	Revision Date 1993-02-16

#### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### **16. OTHER INFORMATION**

HMIS Rating	
Health hazard:	1
Chronic Health Hazard:	
Flammability:	0
Physical Hazard	0
NFPA Rating Health hazard:	0
	0
Fire Hazard:	0
Reactivity Hazard:	0

#### **Further information**

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#### **Preparation Information**

Sigma-Aldrich Corporation Product Safety – Americas Region 1-800-521-8956

Version: 5.5

Revision Date: 05/27/2016

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