

# SAFETY DATA SHEET

<b>Version:</b>	1.1
<b>Revision Date:</b>	2016-09-13
<b>Print Date:</b>	2016-09-13

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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

<b>Product Number:</b>	A0320
<b>Product name:</b>	Aldicarb
<b>CAS Registry Nr:</b>	116-06-3

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

Laboratory chemicals, Manufacture of substances.

### 1.3 Details of the supplier of the safety data sheet

<b>Company:</b>	Chemodex AG
	CH - 9000 St. Gallen
	Switzerland, Europe
	Tel: +41 71 244 48 25
	Fax: +41 71 244 48 26
	Email: info@chemodex.com
	Website: www.chemodex.com

### 1.4 Emergency telephone number

<b>Tox Info Suisse:</b>	+41 44 251 51 51
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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification in accordance with (EC) No. 1272/2008 [EU-GHS/CLP]

Acute toxicity, Oral (Category 1),	H300
Acute toxicity, Inhalation (Category 2),	H330
Acute toxicity, Dermal (Category 3),	H311
Acute aquatic toxicity (Category 1),	H410
Chronic aquatic toxicity (Category 1),	H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 2.2 Label elements

### Labelling according Regulation (EC) No. 1272/2008

Pictogram	
Signal word	Danger

### Hazard statement(s)

H300 + H330	Fatal if swallowed or if inhaled
H311	Toxic in contact with skin.
H410	Very toxic to aquatic life with long lasting effects.

### Precautionary statement(s)

P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing.
P284	Wear respiratory protection.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P320	Specific treatment is urgent (see supplemental first aid instructions on this label).
P330	Rinse mouth.
P361	Remove/Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Lachrymator.	
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## SECTION 3: Composition/information on ingredients

### 3.1 Substances

<b>Synonyms:</b>	O-(Methylcarbamoyl)-2-methyl-2-(methylthio)propionaldehyd-oxime  NSC
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	379586  UC-21149  Temik
<b>Mol. Formula:</b>	C7H14N2O2S
<b>Mol. Weight:</b>	190.26 g/mol
<b>CAS Registry No.:</b>	116-06-3

Component	Classification	Concentration
<b>Aldicarb</b>	Acute Tox. 1; Acute Tox. 2; Acute Tox. 3; Aquatic Acute 1; Aquatic Chronic 1; H300 + H330, H311, H410	<= 100 %

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

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. Take victim immediately to hospital. 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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides

### 5.3 Advice for firefighters

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Wear self-contained breathing apparatus for firefighting if necessary.

#### 5.4 Further information

No data available

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### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

#### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### 6.3 Methods and material 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.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

#### 7.2 Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Protect from light and moisture. Store at -20 °C.

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Components with workplace control parameters

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Component	CAS-No.	Value	Control parameters	Basis
Aldicarb	116-06-3	TWA	0.000100 mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)
	Remarks	Skin		
		TWA	0.01 mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)
		Skin		

## 8.2 Exposure controls

### Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### Personal protective equipment

#### Eye/face protection

Face shield and safety glasses 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

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a)	<b>Appearance:</b>	Off-white to yellow solid
b)	<b>Odour:</b>	No data available
c)	<b>Odour Threshold:</b>	No data available
d)	<b>pH:</b>	No data available
e)	<b>Melting point/freezing point:</b>	100 °C
f)	<b>Boiling point</b>	No data available
g)	<b>Flash point:</b>	No data available
h)	<b>Evaporation rate:</b>	No data available
i)	<b>Flammability (solid, gas):</b>	No data available
j)	<b>Upper/lower flammability or explosive limits:</b>	No data available
k)	<b>Vapour pressure:</b>	No data available
l)	<b>Vapour density:</b>	No data available
m)	<b>Relative density:</b>	1.195 g/cm <sup>3</sup> at 20 °C
n)	<b>Solubility:</b>	Soluble in acetone or methanol.
o)	<b>Partition coefficient (n-octanol/water):</b>	No data available
p)	<b>Auto-ignition temperature:</b>	No data available
q)	<b>Decomposition temperature:</b>	No data available
r)	<b>Viscosity:</b>	No data available
s)	<b>Explosive properties:</b>	No data available
t)	<b>Oxidizing properties:</b>	No data available

### 9.2 Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable for at least 2 years 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

No data available

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### **Acute toxicity**

LD50 Oral - Rat - 0.5 mg/kg

LC50 Inhalation - Rat - 5 h - 200 mg/m<sup>3</sup>

LD50 Dermal - Rabbit - 1,400 mg/kg

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**

Rat

Embryo

Morphological transformation.

Mouse

lymphocyte

Mutation in microorganisms

Mouse

lymphocyte

Mutation in mammalian somatic cells.

Human

lymphocyte

Cytogenetic analysis

Human

lymphocyte

Mutation in mammalian somatic cells.

Human

lymphocyte

Sister chromatid exchange

##### **Carcinogenicity**

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Aldicarb)

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

**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: UE2275000

Lachrymation, Convulsions, May cause cyanosis., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated., burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Coma., Seizures., Fever, Change in pupil size., Muscle cramps/spasms., Weakness, Confusion., Drowsiness, Dizziness, Gastrointestinal disturbance, Incoordination., Cholinesterase inhibitors can cause heavy salivation and secretion in the lungs, lachrymation, blurred vision, involuntary defecation, diarrhea, tremor, ataxia, sweating, hypothermia, lowered heart rate, and/or a fall in blood pressure as a result of their action at cholinergic nerve sites.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

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**SECTION 12: Ecological information**

**12.1 Toxicity**

Toxicity to fish LC50 - *Oryzias latipes* - 0.13 mg/l - 96.0 h

Toxicity to daphnia and other aquatic invertebrates mortality LOEC - *Daphnia magna* (Water flea) - 0.5 µg/l - 48 h LC50 - *Daphnia magna* (Water flea) - 0.075 mg/l - 48 h

**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**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Very toxic to aquatic life.



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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

#### Contaminated packaging

Dispose of as unused product.

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## SECTION 14: Transport information

14.1 - 14.5 UN number and proper shipping name, Transport hazard class(es), Transport hazard class(es), Environmental hazards

#### DOT (US)

UN number: 2811 Class: 6.1 Packing group: I

Proper shipping name: Toxic solids, organic, n.o.s. (Aldicarb)

Reportable Quantity (RQ): 1 lbs

Marine pollutant:yes

Poison Inhalation Hazard: No

#### IMDG

UN number: 2811 Class: 6.1 Packing group: I EMS-No: F-A, S-A

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (Aldicarb)

Marine pollutant:yes

#### IATA

UN number: 2811 Class: 6.1 Packing group: I

Proper shipping name: Toxic solid, organic, n.o.s. (Aldicarb)

### 14.6 Special precautions for user

No data available

### 14.7 Further information

No data available

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## SECTION 15: Regulatory information

### SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

Aldicarb

CAS-No.

116-06-3

Revision Date

1993-04-24

**SARA 313 Components**

The following components are subject to reporting levels established by SARA Title III, Section 313:

Aldicarb

CAS-No.

116-06-3

Revision Date

1993-04-24

**SARA 311/312 Hazards**

Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right To Know Components**

Aldicarb

CAS-No.

116-06-3

Revision Date

1993-04-24

**Pennsylvania Right To Know Components**

Aldicarb

CAS-No.

116-06-3

Revision Date

1993-04-24

**New Jersey Right To Know Components**

Aldicarb

CAS-No.

116-06-3

Revision Date

1993-04-24

**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.

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**SECTION 16: Other information****Full text of H-Statements referred to under sections 2 and 3.**

Acute Tox. Acute toxicity

Aquatic Acute Acute aquatic toxicity

Aquatic Chronic Chronic aquatic toxicity

H300 Fatal if swallowed.

H300 + H330 Fatal if swallowed or if inhaled

H311 Toxic in contact with skin.

H330 Fatal if inhaled.

**HMIS Rating**

Health hazard: 3

Chronic Health Hazard: \*

Flammability: 1

Physical Hazard 0

**NFPA Rating**

Health hazard: 3

Fire Hazard: 1

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Reactivity Hazard: 0

**Further information**

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