

## SAFETY DATA SHEET

Version 6.6  
Revision Date 2023.08.03  
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Date of first issue 2018.06.20  
Product Number Aldrich - W345501

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

a. Product name : *N*-Ethyl-2-isopropyl-5-methylcyclohexanecarboxamide

Product Number : W345501

Brand : Aldrich

b. Recommended use of the chemical and restrictions on use : **Identified uses**  
Laboratory chemicals, For research use only.

c. Company : 씨그마알드리치코리아(유)  
서울특별시 강남구 테헤란로 508,  
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**SECTION 2: Hazards identification****a. GHS Classification**

Acute toxicity, Oral (Category 4)  
Serious eye damage/eye irritation (Category 1)

**b. GHS-Labeling**

Pictogram



Signal Word

Danger

Hazard statement(s)

H302  
H318Harmful if swallowed.  
Causes serious eye damage.

Precautionary statement(s)

Prevention

P264 Wash the contact area thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear eye protection/ face protection.

Response

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

Disposal

P501 Dispose of contents and container according to wastes control act.

**c. Other hazards which do not result in classification**

none

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### SECTION 3: Composition/information on ingredients

**3a Substances**

Synonyms	:	N-Ethyl-p-methane-3-carboxamide Ethyl methane carboxamide Framidice 3 Menthol Carboxamide WS-3 WS-3
Formula	:	C <sub>13</sub> H <sub>25</sub> NO
Molecular weight	:	211.34 g/mol
CAS-No.	:	39711-79-0
EC-No.	:	254-599-0

Component	Classification	Concentration
<b>N-Ethyl-2-(isopropyl)-5-methylcyclohexanecarboxamide</b>		
CAS-No.	39711-79-0	Acute Tox. 4; Eye Dam. 1; H302, H318
EC-No.	254-599-0	>=95 - <= 100 %

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

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### SECTION 4: First aid measures

**a. In case of eye contact**

After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist.  
Remove contact lenses.

**b. In case of skin contact**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**c. If inhaled**

After inhalation: fresh air.

**d. If swallowed**

After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.

**e. Most important acute symptoms/effects**

No data available

**Most important delayed symptoms/effects**

No data available

**f. Notes to physician**

No data available

**General advice**

Show this material safety data sheet to the doctor in attendance.

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## **SECTION 5: Firefighting measures**

**a. Suitable extinguishing media**

Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder

**Extinguishing media which shall not be used for safety reasons**

For this substance/mixture no limitations of extinguishing agents are given.

**b. Specific hazards arising from the chemical**

Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

**c. Special protective actions for fire-fighters**

In the event of fire, wear self-contained breathing apparatus.

**Further information**

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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## **SECTION 6: Accidental release measures**

**a. Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

**b. Environmental precautions**

Do not let product enter drains.

**c. Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

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## **SECTION 7: Handling and storage**

### **a. Precautions for safe handling**

### **b. Conditions for safe storage**

Tightly closed. Dry.

### **c. Storage class**

Storage class (TRGS 510): 11: Combustible Solids

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## **SECTION 8: Exposure controls/personal protection**

### **a. Control parameters**

Contains no substances with occupational exposure limit values.

### **b. Appropriate engineering controls**

No data available

### **c. Personal protective equipment**

#### **Respiratory protection**

required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

#### **Hand protection**

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatril® L

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatril® L

#### **Eye protection**

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

#### **Skin and body protection**

protective clothing

#### **Hygiene measures**

Change contaminated clothing. Preventive skin protection recommended. Wash hands after working with substance.

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## **SECTION 9: Physical and chemical properties**

a. Appearance

Form	crystalline, powder
Color	white
b. Odor	No data available
c. Odor Threshold	No data available
d. pH	No data available
e. Melting point	91 - 98 °C
f. Initial boiling point	No data available
g. Flash point	No data available
h. Evaporation rate	No data available
i. Flammability (solid, gas)	No data available
j. Lower explosion limit	No data available
Upper explosion limit	No data available
k. Vapor pressure	No data available
l. Water solubility	No data available
m. Relative vapor density	No data available
n. Density	No data available
o. Partition coefficient: n- octanol/water	log Pow: 2.552
p. Autoignition temperature	No data available
q. Decomposition temperature	No data available
r. Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
s. Molecular weight	211.34 g/mol

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## **SECTION 10: Stability and reactivity**

### **a. Chemical stability**

No data available

### **b. Possibility of hazardous reactions**

No data available

### **c. Conditions to avoid**

no information available

### **d. Incompatible products**

Oxidizing agents

### **e. Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)

Other decomposition products - No data available

### **Thermal decomposition**

No data available

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## **SECTION 11: Toxicological information**

### **a. Information on likely routes of exposure**

No data available

### **b. Delayed and immediate effects and also chronic effects from short and long term exposure**

#### **Acute toxicity**

Oral: No data available

LD50 Oral - 500.1 mg/kg

Inhalation: No data available

Dermal: No data available

#### **Skin corrosion/irritation**

Remarks: No data available

#### **Serious eye damage/eye irritation**

Remarks: No data available

#### **Respiratory or skin sensitization**

No data available

#### **Carcinogenicity**

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **Germ cell mutagenicity**

No data available

#### **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

**Signs and Symptoms of Exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

**c. Numerical measures of toxicity**

No data available

**Additional Information**

No data available

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## **SECTION 12: Ecological information**

**a. Ecotoxicity effects**

No data available

**b. Elimination information (persistence and degradability)**

No data available

**c. Bioaccumulative potential**

No data available

**d. Mobility in soil**

No data available

**e. Other adverse effects**

No data available

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## **SECTION 13: Disposal considerations**

**a. Disposal methods**

Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

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## **SECTION 14: Transport information**

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**Further information**

Not classified as dangerous in the meaning of transport regulations.

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## **SECTION 15: Regulatory information**

### **a. Regulation under the Occupational Safety and Health Act**

Harmful Substances Required Permission for Manufacture - Not applicable

Harmful Substances Prohibited from Manufacturing - Not applicable

Harmful Agents to be kept below Occupational Exposure Limits - Not applicable

Controlled Substances Subject to Environment Monitoring - Not applicable

Controlled Substances Subject to Health Examination - Not applicable

Hazardous substances requiring management - Not applicable

Special Management Materials - Not applicable

### **b. Act on the Registration and Evaluation, etc. of Chemical Substances, Chemicals Control Act**

Toxic Chemicals - Not applicable

Restricted Chemicals - Not applicable

Prohibited Chemicals - Not applicable

Accident Precaution Chemicals - Not applicable

### **c. Dangerous Substances Safety Management Act**

Not Applicable to Dangerous Materials

### **d. Waste Control Act**

Follow article 13 of the act to dispose the product waste

### **e. Other regulations**

#### **KECI Number**

Not in compliance with the inventory

CAS-No.  
39711-79-0

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## **SECTION 16: Other information**

### **a. List of references**

**b. Issuing date:** 2018.06.20

**c. Version:** 6.6 Revision Date 2023.08.03

### **e. Further information**

#### **Text of H-code(s) and R-phrase(s) mentioned in Section 3**

H302	Harmful if swallowed.
H318	Causes serious eye damage.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.sigma-aldrich.com](http://www.sigma-aldrich.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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