

SAFETY DATA SHEET

Version 6.6
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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 : Harmful if swallowed.
H318 : 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

SECTION 3: Composition/information on ingredients

3a Substances

Synonyms : N-Ethyl-p-methane-3-carboxamide
Ethyl menthane carboxamide
Framidice 3
Menthol Carboxamide WS-3
WS-3

Formula : $C_{13}H_{25}NO$
Molecular weight : 211.34 g/mol
CAS-No. : 39711-79-0
EC-No. : 254-599-0

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

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

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.

SECTION 5: Firefighting measures**a. Suitable extinguishing media**

Water Foam Carbon dioxide (CO₂) 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.

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.

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

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).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatrill® L

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatrill® 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.

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

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 (NO_x)

Other decomposition products - No data available

Thermal decomposition

No data available

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

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

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.

SECTION 14: Transport information

IMDG

Not dangerous goods

IATA

Not dangerous goods

Further information

Not classified as dangerous in the meaning of transport regulations.

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

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-phrases 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 and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

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