



Alpha Chemika

ISO 9001 Quality System certified Organization

House Of Unlimited Chemicals



ALPHA CHEMIKA, 102, 1st Floor, B Wing, Savgan Heights, RTO Road, Four Bunglow, Andheri (W), Mumbai 400 053. Maharashtra (India)
Tel: +91 22 26317055 | +91 22 26330745 | TeleFAX : 91-22-26317055 | Mobile : +91 9820 385757 | +91 9769 472001
Skype ID : tanmay1977 Email: info@alphachemika.co.in / sales@alphachemika.co.in

Online COA & MSDS = www.alphachemikaapp.com

MATERIAL SAFETY DATA SHEET

18-CROWN-6-ETHER (for synthesis)

1. Identification

Product Name:-18-CROWN-6-ETHER (for synthesis)

CAS-No:- 17455-13-9

CAT NO: AL1564 01000

IDENTIFIED USE: RESEARCH USE ONLY

2. Hazard(s) identification

Classification

Label Elements

Signal Word

Warning

Hazard Statements

Harmful if swallowed

Harmful if inhaled

Causes serious eye irritation

May cause respiratory irritation

18-Crown-6 Ether (for synthesis)

Precautionary Statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Wear eye/face protection

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Call a POISON CENTER or doctor/physician if you feel unwell

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Rinse mouth

For ALPHA CHEMIKA
AUTH. SIGNATORY



Alpha Chemika

ISO 9001 Quality System certified Organization

House Of Unlimited Chemicals



ALPHA CHEMIKA, 102, 1st Floor, B Wing, Savgan Heights, RTO Road, Four Bungalow, Andheri (W), Mumbai 400 053. Maharashtra (India)
Tel: +91 22 26317055 | +91 22 26330745 | TeleFAX : 91-22-26317055 | Mobile : +91 9820 385757 | +91 9769 472001
Skype ID : tanmay1977 Email: info@alphachemika.co.in / sales@alphachemika.co.in

| Online COA & MSDS = www.alphachemikaapp.com |

Storage

Store in a well-ventilated place. Keep container tightly closed

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

None identified

3. Composition/Information on Ingredients

Component CAS-No Weight %

4. First-aid measures

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention. Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.

Inhalation Move to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Obtain medical attention. If not breathing, give artificial respiration.

Ingestion Do not induce vomiting. Call a physician or Poison Control Center immediately. Most important symptoms and effects

No information available. Notes to Physician Treat symptomatically

18-Crown-6 Revision (for synthesis)

5. Fire-fighting measures

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

Unsuitable Extinguishing Media No information available

Flash Point > 110 °C / > 230 °F

Method - No information available

Auto ignition Temperature

Explosion Limits

Upper No data available

Lower No data available

Sensitivity to Mechanical Impact No information available

Sensitivity to Static Discharge No information available

Specific Hazards Arising from the Chemical

For ALPHA CHEMIKA
AUTH. SIGNATORY



Alpha Chemika

ISO 9001 Quality System certified Organization

House Of Unlimited Chemicals



ALPHA CHEMIKA, 102, 1st Floor, B Wing, Savgan Heights, RTO Road, Four Bungalow, Andheri (W), Mumbai 400 053. Maharashtra (India)
Tel: +91 22 26317055 | +91 22 26330745 | TeleFAX : 91-22-26317055 | Mobile : +91 9820 385757 | +91 9769 472001
Skype ID : tanmay1977 Email: info@alphachemika.co.in / sales@alphachemika.co.in

| Online COA & MSDS = www.alphachemikaapp.com |

Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and

sources of ignition. Hazardous Combustion Products

Carbon monoxide (CO) Carbon dioxide (CO₂)

Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full

protective gear.

NFPA

6. Accidental release measures

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Avoid dust formation. Avoid contact with skin, eyes and clothing. Environmental Precautions Avoid release to the environment. Methods for Containment and Clean

Up

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

7. Handling and storage

Handling Use only under a chemical fume hood. Wear personal protective equipment. Avoid dust formation. Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. Do not ingest.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. 8. Exposure controls / personal protection

Exposure Guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Health 2

Flammability 1

Instability 0

Physical hazards

N/A

Engineering Measures Use only under a chemical fume hood. Ensure that eyewash stations and safety showers

are close to the workstation location. Personal Protective Equipment

Eye/face Protection

9. Physical and chemical properties

Physical State Solid

Appearance White

For ALPHA CHEMIKA
AUTH. SIGNATORY



Alpha Chemika

ISO 9001 Quality System certified Organization

House Of Unlimited Chemicals



ALPHA CHEMIKA, 102, 1st Floor, B Wing, Savgan Heights, RTO Road, Four Bungalow, Andheri (W), Mumbai 400 053. Maharashtra (India)
Tel: +91 22 26317055 | +91 22 26330745 | TeleFax : 91-22-26317055 | Mobile : +91 9820 385757 | +91 9769 472001
Skype ID : tanmay1977 Email: info@alphachemika.co.in / sales@alphachemika.co.in

| Online COA & MSDS = www.alphachemikaapp.com |

Odor Odorless

Odor Threshold No information available

pH No information available

Melting Point/Range 36 - 40 °C / 96.8 - 104 °F

Boiling Point/Range No information available

Flash Point > 110 °C / > 230 °F

Evaporation Rate Not applicable

Flammability (solid ,gas) No information available

Flammability or explosive limits

Upper No data available

Lower No data available

Vapor Pressure No information available

Vapor Density Not applicable

Specific Gravity No information available

Solubility No information available

Partition coefficient; n-octanol/water No data available

Auto ignition Temperature

Decomposition Temperature No information available

Viscosity Not applicable

Molecular Formula C12 H24 O6

Molecular Weight 264.32

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under normal conditions. Conditions to Avoid dust formation. Incompatible products.

Excess heat.

Incompatible Materials Strong oxidizing agents, Strong acids

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO2)

Hazardous Polymerization No information available. Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information

Component Information

Component LD50 Oral LD50 Dermal LC50 Inhalation

LD50 = 525 mg/kg (Rat) LD50 = 3888 mg/kg (Rabbit) Not listed

Toxicologically Synergistic No information available

For ALPHA CHEMIKA

AUTH. SIGNATORY



Alpha Chemika

ISO 9001 Quality System certified Organization

House Of Unlimited Chemicals



ALPHA CHEMIKA, 102, 1st Floor, B Wing, Savgan Heights, RTO Road, Four Bungalow, Andheri (W), Mumbai 400 053. Maharashtra (India)
Tel: +91 22 26317055 | +91 22 26330745 | TeleFAX : 91-22-26317055 | Mobile : +91 9820 385757 | +91 9769 472001
Skype ID : tanmay1977 Email: info@alphachemika.co.in / sales@alphachemika.co.in

| Online COA & MSDS = www.alphachemikaapp.com |

Skin and body protection Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection No protective equipment is needed under normal use conditions. Hygiene

Measures

Products

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Irritating to eyes

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a

carcinogen. Component CAS-No IARC NTP ACGIH OSHA Mexico

17455-13-9 Not listed Not listed Not listed Not listed Not listed

Mutagenic Effects No information available

Reproductive Effects No information available. Developmental Effects No information available.

Teratogenicity No information available. STOT - single exposure Respiratory system

STOT - repeated exposure None known

Aspiration hazard No information available

Symptoms / effects, both acute and

delayed

No information available

Endocrine Disruptor Information No information available

Other Adverse Effects The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

Do not empty into drains. Persistence and Degradability Soluble in water Persistence is unlikely based on information available. Bioaccumulation/ Accumulation No information available. Mobility Will likely be mobile in the environment due to its water solubility.

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a

hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

Not Regulated

15. Regulatory information

International Inventories

Component TSCA DSL NDSL EINECS ELINCS NLP PICCS ENCS AICS IECS KECL

Octadecane

For ALPHA CHEMIKA
AUTH. SIGNATORY



Alpha Chemika

ISO 9001 Quality System certified Organization

House Of Unlimited Chemicals



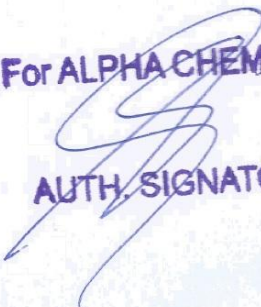
ALPHA CHEMIKA, 102, 1st Floor, B Wing, Savgan Heights, RTO Road, Four Bungalow, Andheri (W), Mumbai 400 053. Maharashtra (India)
Tel: +91 22 26317055 | +91 22 26330745 | TeleFAX : 91-22-26317055 | Mobile : +91 9820 385757 | +91 9769 472001
Skype ID : tanmay1977 Email: info@alphachemika.co.in / sales@alphachemika.co.in

| Online COA & MSDS = www.alphachemikaapp.com |

No information available

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall ALPHA CHEMIKA be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if ALPHA CHEMIKA. has been advised of the possibility of such damages.

For ALPHA CHEMIKA

AUTH. SIGNATORY