

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Product name:	Ethyl Centralite
CAS Number:	85-98-3
EC Number:	201-645-2

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

Identified use: Laboratory chemicals, manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company name:	East Harbour Group Ltd Miranda House, The Quay Harwich, Essex, CO12 3HH United Kingdom
Telephone:	+44 (0) 333 242 0100
Email:	info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone:	0800 246 1274
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Section 2: Hazardous identification**2.1 Classification of the substance or mixture**

Acute toxicity - Oral, Category 4

Hazardous to the aquatic environment, long-term (Chronic) - Category Chronic 3

2.2 Label elements

GHS label elements, including precautionary statements

Pictogram(s)



Signal word

Warning

Hazard statement(s)

H302 Harmful if swallowed

H412 Harmful to aquatic life with long lasting effects



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Precautionary statement(s)

Prevention

P264 Wash ... thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.

Response

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor/...if you feel unwell.
 P330 Rinse mouth.

Storage

none

Disposal

P501 Dispose of contents/container to ..

2.3 Other hazards which do not result in classification

None

Section 3: Composition/information on ingredients

3.1 Substances

Chemical name	Common names and synonyms	CAS number	EC number	Concentration
1,3-diethyl-1,3-diphenylurea	Ethyl Centralite	85-98-3	201-645-2	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. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

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



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4.2 Most important symptoms and effects, both acute and delayed

ACUTE/CHRONIC HAZARDS: This compound may react violently when severely shocked or heated to extreme temperatures.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Fires involving this chemical should be controlled using a carbon dioxide, dry chemical or Halon extinguisher.

5.2 Special hazards arising from the substance or mixture

This chemical is combustible.

5.3 Advice for firefighters

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary

Section 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. 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. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

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



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Section 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values
no data available

Biological limit values
no data available

8.2 Appropriate engineering controls

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

8.3 Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. 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. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Respiratory protection

Wear dust mask when handling large quantities.

Thermal hazards

no data available

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	White to grey crystalline powder
Colour	No data available
Odour	No data available
Melting Point/Range	73-75°C
Boiling Point/Range	325 - 330°C
Flammability (solid, gas)	No data available
Lower and upper explosion limit / flammability limit	No data available
Flash Point	325 - 330°C



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Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	less than 1 mg/mL at 21.5°C
Partition Coefficient n-octanol/water (log value)	No data available
Vapor Pressure	No data available
Density and/or relative density	1.118 g/cm ³
Relative vapour density	9.3 (vs air)
Particle characteristics	No data available

Section 10: Stability and Reactivity

10.1 Reactivity	No data available
10.2 Chemical Stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	N,N'-DIETHYLCARBANILIDE is an amide. Amides/imides react with azo and diazo compounds to generate toxic gases. Flammable gases are formed by the reaction of organic amides/imides with strong reducing agents. Amides are very weak bases (weaker than water). Imides are less basic yet and in fact react with strong bases to form salts. That is, they can react as acids. Mixing amides with dehydrating agents such as P ₂ O ₅ or SOCl ₂ generates the corresponding nitrile. The combustion of these compounds generates mixed oxides of nitrogen (NO _x). This compound is incompatible with acids and oxidizing agents. This chemical reacts violently when severely shocked or exposed to extreme temperatures.
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	No data available
10.6 Hazardous decomposition products	No data available

Section 11: Toxicological Information**Acute toxicity**

Oral:	No data available
Inhalation:	No data available
Dermal:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available

Section 12: Ecological Information**12.1 Toxicity**

Toxicity to fish:	No data available
Toxicity to daphnia and other aquatic invertebrates:	No data available
Toxicity to algae:	No data available
Toxicity to microorganisms:	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 Other adverse effects

No data available

Section 13: Disposal considerations**13.1 Disposal methods****Product**

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration



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with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill.

Controlled incineration with flue gas scrubbing is possible for combustible packaging materials

Section 14: Transport Information

14.1 UN Number

ADR/RID: Non hazardous
IMDG: Non hazardous
IATA: Non hazardous

14.2 UN Proper Shipping Name

ADR/RID: ETHYL CENTRALITE
IMDG: ETHYL CENTRALITE
IATA: ETHYL CENTRALITE

14.3 Transport hazard class(es)

ADR/RID: Non hazardous
IMDG: Non hazardous
IATA: Non hazardous

14.4 Packing group, if applicable

ADR/RID: Non hazardous
IMDG: Non hazardous
IATA: Non hazardous

14.5 Environmental hazards

ADR/RID: Non hazardous
IMDG: Non hazardous
IATA: Non hazardous

14.6 Special precautions for user

No data available



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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

15.1 Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number
1,3-diethyl-1,3-diphenylurea	Ethyl Centralite	85-98-3	201-645-2

European Inventory of Existing Commercial Chemical Substances (EINECS)	Listed.
EC Inventory	Listed.
United States Toxic Substances Control Act (TSCA) Inventory	Listed.
China Catalog of Hazardous chemicals 2015	Not Listed.
New Zealand Inventory of Chemicals (NZIoC)	Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Not Listed.
Vietnam National Chemical Inventory	Not Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	Not Listed.

Section 16: Other Information

Information on revision

Abbreviations and acronyms

CAS: Chemical Abstracts Service

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods

IATA: International Air Transportation Association

TWA: Time Weighted Average

STEL: Short term exposure limit

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

EC50: Effective Concentration 50%