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SAFETY DATA SHEET

ETHYL CENTRALITE

Page 1 of 6

SECTION 1: COMPANY PROFILE

Trade name: Ethyl Centralite
Chemical name 1,3-Diethyldiphenylurea.

Supplier/Manufacturer SAE Manufacturing Specialties Corp.
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance/preparation according to EC Directives: Harmful

The most important adverse physicochemical effects:--

The most important adverse human health effects:

- Harmful if swallowed.
- Its dust may cause irritation of respiratory system.

The most important adverse environmental effects

Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Possible misuses of the substance/preparation: --

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance contains these hazardous ingredients:

Chemical name	Content (wt%)	CAS-NO	EC-NO	Classification	Reg NO
1,3-diethyldiphenylurea	100	85-98-3	201-645-2	Xn R22 R52/53	



SECTION 4: FIRST AID MEASURES

General information:

In all cases keep the victim at physical and mental rest and warm. In all serious events and always in case of eyes contact, seek for medical help.

Inhalation

Break the exposure, transfer the victim to the fresh air, apply artificial respiration, if the victim is not breathing.

Skin contact

Wash the skin with plenty of water and soap.

Eye contact:

Rinse with plenty of water for at least 15 minutes. Never neutralize. Move to the physician while continuing rinsing.

Ingestion

Rinse the mouth with clean water, give max 0.5 l water to drink, do not induce vomiting, seek for medical help.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT

N.A.

EXTINGUISHING MEDIA

Water mist, CO2, foam, dry powder.

SPECIAL FIRE PRECAUTION

Will not ignite easily, but may develop toxic fumes, in case fire.

SPECIAL FIRE AND EXPLOSION

No particular risk. But the dry powder may form dusty clouds that are flammable in air.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and protective clothing.

Other information:

Combustible organic product. The crystals may be very easily electrostatically charged.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:

- Do not breathe dust
- Use personal protective equipment

Environmental precautions:

- Avoid entering product into a water stream and sewers.



Page 3 of 6

- Inform the relevant authorities (police, fire brigades) if the product has caused environmental pollution.

Methods for cleaning up:

- Sweep up material and place in the designated closed containers.

SECTION 7 : STORAGE STABILITY AND HANDLING

Handling:

- Avoid contact with eyes.
- Avoid inhaling dust
- Take precautionary measures against discharges.

Storage:

- store in original packing dry areas protected from direct weather conditions.
- Storage limit in original packings min. 2 years.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure limit value:

- In accordance with local regulation:
- Fresh regulation:
- No occupation exposure limits established.

Exposure reduction

- Adequate effective ventilation.

Personal protective equipment:

- Respiratory protection: if dust may be generated ,wear dust filter mask.
- Hand protection: protective gloves
- Eye protection: tight protective goggles
- Skin protection: protective clothing.

Other information:

Do not eat, drink or smoke during the work and observe the personal hygiene principles. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9: EXPOSURE CONTROL AND PERSONAL PROTECTION

PHYSICAL STATE	: Solid
DESCRIPTION	: Creamish coloured material
ODOUR	: Odourless



Page 4 of 6

pH OF 1 % SOLUTION	: 7.0
MELTING POINT	: 72°C
BOILING POINT	: N.A.
FLASH POINT:	: cca 150°C
FLAMMABILITY	: Combustible organic material
AUTOIGNITION:	: None
EXPLOSION LIMIT	
UPPER LIMIT	: Not available
LOWER LIMIT	: Not available
OXIDIZING PROPERTY	: No oxidizing property
RELATIVE DENSITY:	: 1.025 g/cm ³ (75 °C)
VAPOUR PRESSURE	: NA
SOLUBILITY IN WATER	: 0.042g/l
IN FAT	: Not available
IN OTHER SOLVENTS	: Soluble in acetone, alcohols, toluene and other organic solvents.
PARTITION COEFFICIENT	: 4.2
IGNITION TEMPERATURE	: ca 500 °C
BULK DENSITY	:ca 400-500 kg/m ³ (powder)

SECTION 10 : STABILITY AND REACTIVITY

Conditions of stability:

- Stable under normal conditions.

Conditions to avoid:

- Sources of ignition.

Hazardous composition products:

-Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

LD50 Oral , rat : 780/9 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Acute aquatic toxicity:

LC50 96 h Fish : 15.6 mg/l

Bioaccumulation potential : high



SECTION 13 : DISPOSAL CONSIDERATION

Disposal methods of the substance/preparation:

- Dissolve or mix the material with a combustible solvent and incinerate at reserved and approved place in accordance with regulations.

Disposal methods of the contaminated packaging:

- Incinerate paper sacks in incinerating plant for danger waste.

SECTION 14: TRANSPORT INFORMATION

Land transport:	RID / ADR: not regulated as a hazardous material
UN-No.: none	
Sea transport:	IMDG-Code: not regulated as a hazardous material MFAG: none
EmS: none	
Air transport:	ICAO-TI / IATA-DGR: not regulated as a hazardous material
UN / ID-No.: none	PAX: none CAO: none

SECTION 15: REGULATORY INFORMATION

Labeling according to EC Directives:

Symbol: Xn Harmful

R-phrases:

- R22 Harmful if swallowed
- R 52/53 Harmful to aquatic organism, may cause long term adverse effects in the aquatic environment

S-phrases:

- S 22 Do not breathe dust.
- S24/25 Avoid contact with skin and eyes.
- S 61 Avoid release to the environment. Refer to special instructions /safety data sheets.

Other information regarding for labeling:

1,3-diethyldiphenylurea(201-645-2)

Chemical safety Assessment:

Not available

SECTION 16: OTHER INFORMATION

Relevant information for classification:

- Formulation has been classified utilizing the result of its routine formulation testing.

List of R-phrases:

- R22 Harmful if swallowed



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Page 6 of 6

- R 52/53 Harmful to aquatic organism, may cause long term adverse effects in the aquatic environment

Training advice:

- In compliance with SDS (Safety Data Sheet)

This product should be stored, handled and used in Accordance with good Industrial Hygiene practices and in conformity with any legal regulations. The information Contained here in is based on the present state of our knowledge and is intended to describe our product from the point of view of safety requirements. It should not, therefore, be construed as guaranteeing specific properties. Recipients of our product must take responsibility for Observing existing laws and regulations.