

PRODUCT NAME:

'CERECOR' 42 / 42b / 42SS / 46 / 48 / 48V / 53

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Address/Phone No.:	INEOS ChlorVinyls Americas Inc 2036 Foulk Road, Suite 204 Wilmington Delaware, 19810 Tel No (866) 296-0146
Emergency Phone No.:	call CHEMTREC 1-800-424-9300 For medical emergencies call 1-800-317-9643
Synonyms:	Chloroalkanes, chlorinated paraffins Paraffin Waxes, and Hydrocarbon waxes, chloro Long chain chlorinated paraffins
Use of Substance / Preparation:	Plasticiser and fire retardant additive. Extreme pressure additive in metal working fluids For details on specific grades please refer to technical literature.

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT DESCRIPTION:

C22-30 chlorinated paraffin (chlorination: 42 - 53%)

2.1 HAZARDOUS INGREDIENT(S)

Hazardous ingredient (s)	CAS No.	%(w/w)	ACGIH TLV
C22 - 30 Chlorinated paraffin	063449-39-8	100	Not established

3. HAZARDS IDENTIFICATION

3.1 Emergency Overview

Low acute toxicity under normal conditions of handling and use.
Slightly irritant to eyes.
Repeated exposure to high levels may produce liver and kidney damage.

3.2 Potential Health Effects

Eye	May cause slight eye irritation.
Skin	Unlikely to cause skin irritation in man.
Ingestion	Unlikely to be hazardous if swallowed.
Inhalation	Unlikely to be hazardous by inhalation.
Chronic Effects	Repeated exposure to high levels may produce liver and kidney damage.
Carcinogenicity / Regulatory Status	See Regulatory Information (Section 15).

4. FIRST-AID MEASURES

Inhalation

Remove patient from exposure, keep warm and at rest.

Skin Contact

Remove contaminated clothing. Wash skin with soap and water.

PRODUCT NAME:**'CERECOR' 42 / 42b / 42SS / 46 / 48 / 48V / 53****Eye Contact**

Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 10 minutes.
Obtain medical attention.

Ingestion

Do not induce vomiting. Wash out mouth with water and give 200-300 ml (half a pint) of water to drink.

Note to Physicians

Unlikely to be required but if necessary treat symptomatically.

5. FIRE-FIGHTING MEASURES

Non-flammable. May decompose if heated above 200 Deg C with liberation of hydrogen chloride.

Flash Point (Deg F) (closed cup) None

Extinguishing Media As appropriate for surrounding materials/equipment.

Fire Fighting Protective Equipment A self contained breathing apparatus and full protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Caution - spillages may be slippery.

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

Do not allow to enter drains, sewers or waterways.

Spillages or uncontrolled discharges into waterways must be alerted to the Environment Agency or other appropriate regulatory body.

7. HANDLING AND STORAGE

7.1 Handling

Avoid contact with eyes.

Avoid prolonged skin contact.

Provide adequate ventilation where operational procedures demand it.

Do not allow spillages to enter drains, sewers, or waterways.

7.2 Storage

Keep only in original container at temperatures not exceeding 40 Deg C.

Keep container dry. Keep away from direct sunlight.

Storage vessels should be made of lined mild steel in accordance with the advice given in 'Cereclor' Bulk Storage and Handling brochure.

Storage Life 2 years if stored in accordance with advice given above.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

If prolonged or excessive skin contact is likely: Wear suitable protective clothing and gloves.

If splashing or mist is likely to occur: Wear eye/face protection.

Good working practice suggests gloves and goggles should be worn.

Exposure Guidelines

ACGIH, OSHA : Not established

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9. PHYSICAL AND CHEMICAL PROPERTIES

These properties are the most relevant and no other properties are available.

For specific physical properties of individual grades, please refer to technical literature and/or product specifications.

Form	liquid / viscous liquid
Odor	low
Boiling Point (Deg C)	> 200, Decomposes below boiling point.
Flash Point (Deg C)	None
Vapour Pressure (Pascals)	practically non-volatile
Density (g/ml)	1.16 to 1.65 at 25 Deg C
Solubility (Water)	insoluble
Solubility (Other)	Soluble in most aromatic hydrocarbons, chlorinated solvents, esters and ketones.
Pour Point (Deg C)	-15 to +28

10. STABILITY AND REACTIVITY

Hazardous Reactions	Can react with alkali metals and alkaline earth metals which have a strong affinity for chlorine. Can react with iron, zinc and aluminum at high temperatures leading to decomposition. Conditions to avoid: strong oxidising agents, heat and hot surfaces. 'Cereclor' tends to soften or swell most rubbers.
Decomposition Product(s)	Prolonged heating at temperatures in excess of 70 Deg C or heating above 200 Deg C for short periods of time will result in decomposition and liberation of hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

This health hazard assessment is based on information available on similar products.

Inhalation

Unlikely to be hazardous by inhalation because of the low vapor pressure of the material at ambient temperature.

Skin Contact

Unlikely to cause skin irritation in man. Unlikely to be hazardous by skin absorption.

Eye Contact

May cause slight eye irritation.

Ingestion

Unlikely to be hazardous if swallowed.

Long Term Exposure

Repeated exposure to high levels may produce liver and kidney damage.

Chlorinated paraffins, as a group of chemicals are not genotoxic.

Their lack of genotoxic activity together with the results of other studies leads us to conclude that chlorinated paraffins are unlikely to present a carcinogenic hazard to man under normal conditions of handling and use.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution

High tonnage material produced in wholly contained systems. High tonnage material used in wholly or partially contained systems. Liquid with low volatility. The product is essentially insoluble in water. The product has low potential for bioaccumulation.

Persistence and Degradation

There is evidence of partial hydrolysis in water. There is evidence of slow degradation in soil and water

Ecotoxicity

Unlikely to have any ecotoxic or environmentally toxic effect.

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Unlikely to have any effect on biological effluent treatment systems.

13. DISPOSAL CONSIDERATIONS

Do not discharge into drains or the environment, dispose to an authorized waste collection point.
Disposal should be in accordance with local, state or national legislation.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS**OSHA Classification**

This product is not classified as a "Hazardous Chemical" by definition of Hazard Communication Standard (29 CFR 1910.1200)

Carcinogen Status

IARC (International Agency for Research on Cancer) : Not assigned an overall evaluation.

NTP (National Toxicology Program) Overall evaluation is there is limited evidence for the carcinogenicity of chlorinated paraffin (C23, 43% chlorine) in experimental animals.

TSCA Inventory Status

Yes

SARA

Regulations: Sections 313 and 40 CFR 372: This product is not subject to reporting requirements.

Hazard Categories: SARA SECTIONS 311/312 (40CFR370.21):

ACUTE: N

CHRONIC: N

REACTIVE: N

SUDDEN RELEASE: N

OSHA PROCESS SAFETY (29CFR1910.119): N

Ozone Protection and 40 CFR 42: This product does not contain nor is it manufactured with ozone depleting substances.

Canadian Regulations

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations) and this MSDS (Material Safety Data Sheet) contains all the information required by the CPR.

Controlled Products Regulations (WHMIS) Classification: Not regulated.

CEPA / Canadian Domestic Substances List (DSL): The substances in this product are on the Canadian Domestic Substances List (CEPA DSL).

EU

EINECS : 264-150-0

Inventory Status

United States, Australia, Canada, China, EU, Japan, Korea, Philippines

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16. OTHER INFORMATION

'Cereclor' is a trade mark of Ineos ChlorVinyls Limited.

Information in this publication is believed to be accurate and is given in good faith, but it is for the Customer to satisfy itself of the suitability for its own particular purpose. Accordingly, Ineos ChlorVinyls Limited gives no warranty as to the fitness of the Product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that such exclusion is prevented by law. Freedom under Patent, Copyright and Designs cannot be assumed.

Any trade marks herein identified are trade marks of companies within the INEOS ChlorVinyls Group.

REFERENCES J.R.Madeley & R.D.N.Birtley. - Environ. Sci. & Techn. 1980 14 1215.

R.D.N.Birtley et al. - Toxicology & Applied Pharmacology 1980 54 514.

D.M.Serrone et al. - Fd. Chem. Toxic. 1987 25 (7) 553.

Bulk storage and Handling of 'Cereclor' - 'Cereclor' brochure CC5000/17056/1Ed/23/498.

GLOSSARY

ACGIH	- American Conference of Governmental Industrial Hygienists
CAS	- Chemical Abstracts Service Registry Number
CFR	- Code of Federal Regulations
COM	- The company aims to control exposure in its workplace to this limit
DOT	- Department of Transportation
EINECS	- European Inventory of Existing Commercial Chemical Substances
OSHA	- Occupational Safety & Health Administration
SARA	- Superfund Amendments and Reauthorization Act of the U.S. EPA
TDG	- Transportation of Dangerous Goods Act/Regulations
TLV	- Threshold Limit Value
TSCA	- Toxic Substances Control Act
TWA	- Time-Weighted Average