

COCREATE GLOBAL TECHNOLOGIES PRIVATE LIMITED

U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd Floor, 17th Cross Road, Sector 4,
HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com

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MATERIAL SAFETY DATA SHEET

Product Name :

Choline Chloride 50% Silica Feed Grade
Choline Chloride 50% Corn Cob Feed Grade
Choline Chloride 60% Corn Cob Feed Grade
Choline Chloride 70% Corn Cob Feed Grade
Choline Chloride 70% Liquid Feed Grade
Choline Chloride 75% Liquid Feed Grade

Formula : $C_5H_{14}ClNO$

Synonym : None

A) Typical Composition

Components	Approximate Percentage	Permissible Exposure Limit
Choline Chloride	50%, 60%, 70%, 75%	None currently established
Carrier (Corn Cob/Silica)	50%, 40%, 30%	None currently established

B) Physiological Effects

Eye : Human experience indicates that the above products are not an eye irritant.

Skin : Human experience indicates that the above products are not a skin irritant.

Systematic: There are no unknown physiological problems associated with normal handling the above products. No information is available concerning potential long term health effects.

C) Emergency and First Aid Procedures

Eye Contact: Flush eyes with copious quantities of water for a minimum of fifteen minutes. Use fingers to assure that eyelids are separated. Contact physician.

Skin Contact: Remove contaminated clothing. Wash affected areas thoroughly with soap and water.

Inhalation: Remove from the source of exposure. Contact physician if breathing is difficult.

Ingestion: Small amounts are insignificant. For larger doses, induce vomiting. Drink at least 2-4 glasses of water. Contact physician.

D) Fire Protection Information

Flash Point: None

LEL (Lower Explosion Limit): None

UEL (Upper Explosion Limit): Information not available. Avoid dusting as all organic dusts can be explosive under certain conditions.

Extinguishing Media: Carbon Dioxide, dry chemical extinguisher, foam, water.

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Reactivity data

Chemical Stability: Stable at normal temperatures and conditions of storage.

Stability (Thermal, light, etc.): Information not available.

Incompatibility (Materials to be avoided): Contact with moisture may cause heat to be generated. Also

avoid contact with strong acids and bases.

Hazardous Decomposition: Combustion may produce carbon dioxide, carbon monoxide, and chloric acid vapours.

Hazardous Polymerisation: Will not occur.

E) Environmental Protection

Environmental Impact: All waste residuals should be handled under the prevailing local and national guidelines/regulations for control of such chemical wastes.

Precautions if material is released or spilled: If spill occurs, sweep or shovel material into waste container. An appropriate industrial vacuum cleaner equipped with high efficiency particulate filters for dust may also be used.

Waste Disposal Methods: Dispose of any residues or wastes according to prescribed statutes, regulations, and guidelines e.g. secured chemical landfill disposal, approved chemical wastes incineration or approved discharges to municipal or on site wastes water treatment facilities.

F) Special Precautions and Notes

Storage: Keep containers closed and away from moisture. Contact with moisture could cause heat to be generated.

DISCLAIMER:

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions of handling, storage and disposal of this product are beyond our control; it is the responsibility of the user both to determine safe conditions for use of this product and to assume full responsibility for loss, injury and expense arising out of the product's improper use. No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use or disposal of this product which may not be covered in this MSDS. The user is responsible for full compliance.