



SAFETY DATA SHEET

VARISOFT EQ 65

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: VARISOFT EQ 65

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

Hazard Classification

Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statements

Hazard(s) not otherwise classified (HNOC):

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name:

MDEA Esterquat

Mixtures

Composition Comments: The components are not hazardous or are below required disclosure limits.

4. FIRST AID MEASURES

Description of necessary first-aid measures

Note: The information contained within this document was prepared by technical personnel and is believed to be true and accurate to the best of our knowledge. However, no warranty, express or implied, is provided regarding merchantability, fitness for a particular purpose, performance, safety, suitability, stability, or other aspects of the product. This information is not comprehensive and does not cover all potential conditions of use, handling, storage, disposal, or other factors that may involve legal, environmental, safety, or performance considerations. Natural Bulk Supplies accepts no liability for the use of or reliance upon this information. Our technical personnel are available to address inquiries, but the customer bears ultimate responsibility for the safe handling and use of the product. No suggestions for use are made that would encourage the infringement of existing patents or the violation of any Federal, State, local, or foreign laws.

General information:

Remove contaminated clothing immediately and store/dispose of safely

Inhalation:

Bring affected person outside and ensure that he/she is comfortable.

Skin Contact:

In case of contact with skin wash off immediately with plenty of water

Eye contact:

In case of contact with eyes, rinse thoroughly with water and seek medical advice.

Ingestion:

Thoroughly clean the mouth with water. Call for medical advice immediately. Show this data sheet.

Personal Protection for First-aid Responders:

No data available.

Most important symptoms and effects, both acute and delayed

Symptoms: No special hints.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed Treatment:

Treat symptomatically.

5. FIRE FIGHTING MEASURES

General Fire Hazards:

Water or foam may cause frothing which can be violent, especially if sprayed into containers of hot, burning liquid.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:

Dry chemical, water fog, alcohol foam

Unsuitable extinguishing media:

No data available.

Special hazards arising from the substance or mixture:

No data available.

Special protective equipment and precautions for fire-fighters

Special fire-fighting procedures: None known.

Special protective equipment for fire-fighters:

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

High risk of slipping due to leakage/spillage of product Use personal protective equipment.

Accidental release measures:

No data available.

Methods and material for containment and cleaning up:

Use mechanical handling equipment. Dispose of absorbed material in accordance with the regulations.

Environmental Precautions:

Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

7. HANDLING AND STORAGE

Handling Technical measures (e.g. Local and general ventilation):

Local exhaust ventilation is recommended if vapors, mists or aerosols are generated. Otherwise, use general exhaust ventilation.

Safe handling advice:

No data available.

Contact avoidance measures:

No data available.

Storage

Safe storage conditions:

Exercise caution when handling contents of the container. Wash with soap and water before eating, drinking, smoking, or using toilet facilities. Whenever possible, use mechanical means to move large and/or heavy objects to help prevent back injuries. Keep in closed or covered containers when not in use. Store in cool, dry place with adequate ventilation. Do not store near heat or open flame. Protect from heat and exposure to direct sunlight

Safe packaging materials:

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Hazardous components without workplace control parameters

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls

Local exhaust ventilation is recommended if vapors, mists or aerosols are generated.

Otherwise, use general exhaust ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection:

Chemical goggles or safety glasses recommended.

Skin Protection

Hand Protection:

Additional Information: PVC gloves

Skin and Body Protection:

light protective clothing a protective ointment is recommended.

Respiratory Protection:

in case of formation of vapours/dusts: Wear dust/mist respirator (MSHA/NIOSH TC-21C) or NIOSH approved respirator with N,R,P or HE filter.

Hygiene measures:

Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Physical state	solid
Form	Flakes
Color	from white to cream colour
Odor	fatty
Odor Threshold	not measured

Melting Point	167 - 176 °F / 75 - 80 °C
Boiling Point	Not determined.
Flammability	No data available.
Upper/lower limit on flammability or explosive limits	
Explosive limit - upper	not measured
Explosive limit - lower	not measured
Flash Point	> 212 °F / 100 °C (Pensky-Martens Closed Cup)
Self Ignition Temperature	not measured
Decomposition Temperature	not measured
pH	3 - 5 (50 °C) At 5%, in Isopropanol/Water solvent
Viscosity	
Dynamic viscosity	Approximate 200 mPa.s (194 °F / 90 °C, Brookfield)
Kinematic viscosity	No data available.
Flow Time	No data available.
Solubility(ies)	
Solubility in Water	Dispersible
Solubility (other)	not measured
Partition coefficient (n-octanol/water)	not measured
Vapor pressure	not measured
Relative density	No data available.
Density	Approximate 0.87 g/cm3 (194 °F / 90 °C)
Bulk density	No data available.
Vapor density (air=1)	not measured
Particle characteristics	
Particle Size	No data available
Particle Size Distribution	No data available
Specific surface area	No data available.

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Surface charge/Zeta potential	No data available.
Shape	No data available
Crystallinity	No data available
Surface treatment	No data available
Other information	
Explosive properties	not measured
Oxidizing properties	not measured
Minimum ignition temperature	Not determined.
Metal Corrosion	not measured
Evaporation Rate	not measured

10. STABILITY AND REACTIVITY

Reactivity:

see section "Possibility of hazardous reactions".

Chemical Stability:

The product is stable under normal conditions.

Possibility of hazardous reactions:

No

Conditions to avoid:

Avoid contact with strong oxidizing agents.

Incompatible Materials:

Unknown

Hazardous Decomposition Products:

No data available.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Information on likely routes of exposure

Inhalation:

If handled correctly, not a relevant route of exposure. Information on effects are given below.

Skin Contact:

Relevant route of exposure. Information on effects are given below.

Eye contact:

Relevant route of exposure. Information on effects are given below.

Ingestion:

If handled correctly, not a relevant route of exposure. Information on effects are given below.

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50 (Rat): > 2,000 mg/kg (OECD 401)

Dermal

Product: No data available.

Inhalation

Product: No data available.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: The toxic effects of this material is not known.

Serious Eye Damage/Eye Irritation

Product: The toxic effects of this material is not known.

The toxic effects of this material is not known.

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

Product: No data available.

In vitro

Product: No data available.

In vivo

Product: No data available.

Reproductive toxicity

Product: No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Aspiration Hazard

Product: Not classified

Information on health hazards

Other hazards

Product: Toxicological data refer to the main component. Possible due to the composition of the product: Irritates eyes and skin;

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Toxicity to microorganisms

Product: No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Toxicity to microorganisms

Product: No data available.

Persistence and Degradability

Biodegradation

Product: 60 % Product, aerobic

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: not measured

Mobility in soil:

Product No data available.

Results of PBT and vPvB assessment:

Product No data available.

Other adverse effects:

Other hazards

Product: Do not allow the product to enter soil or water ways.

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Incinerate in an authorized and permitted thermal treatment facility or chemical or biological treatment in authorized and permitted facilities is recommended.

Contaminated Packaging:

If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. TRANSPORT INFORMATION

Domestic regulation

49 CFR

Not regulated as a dangerous good

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

15. REGULATORY INFORMATION

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs)

(40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity

METHANE, CHLORO-

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Not classified



US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

Chemical Identity

METHYL CHLORIDE

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

WARNING: This product can expose you to chemicals including, Methane, chloro- which is [are] known to the State of California to cause birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

Inventory Status:

US TSCA Inventory: On or in compliance with the inventory

Canada NDSL Inventory: On or in compliance with the inventory

16. OTHER INFORMATION

All statements, technical information and recommendations contained herein are based on tests and data which Natural Bulk Supplies believes to be currently reliable, but this accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto. This information is not intended as a license to operate under or a recommendation to practice or infringe any patent of this company or others covering any process, composition of matter or use. Since we shall have no control of the use of the product described here in, we assume no Liability for loss or damage incurred from the proper or improper use of such product.