

SAFETY DATA SHEET (SDS-US)

VARISOFT EQ 65 PELLETS

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1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : VARISOFT EQ 65 PELLETS
Chemical Name : MDEA Esterquat

1.2. Recommended use of the chemical and restrictions on use

Recommended use : Industrial Use
Non-recommended use(s) : None known.

1.3. Details of the supplier of the safety data sheet

Company : Evonik Corporation
Nutrition & Care
PO Box 34628
Richmond VA 23234
USA
Telephone : +1 (0)804-727-0700
Telefax : +1 (0)804-727-0845
E-mail : us-productsafety-cs@evonik.com

Contact Canada

Company : Evonik Canada Inc.
3380 South Service
Burlington ON L7N 3J5
Canada
Telephone : +1 (0)905-336-3423-
Telefax : +1 (0)905-332-5632
E-mail : us-productsafety-cs@evonik.com

1.4. Emergency telephone number

Emergency information : Non-Emergency Phone Number : (800) 732-5616
In case of emergency call CHEMTREC US: 1-800-424-9300, CHEMTREC WORLD:
1-703-527-3887.

24 HOUR EMERGENCY TELEPHONE NUMBERS:
CHEMTREC - US & CANADA toll free: +1-800-424-9300
CHEMTREC - MEXICO toll free: 01-800-681-9531
CHEMTREC GLOBAL - Collect calls accepted: +1-703-527-3887

2. Hazards identification

2.1. Classification of the substance or mixture

Not a hazardous substance or mixture according to 29 CFR 1910.1200.

2.2. Label elements

Not a hazardous substance or mixture according to 29 CFR 1910.1200.

2.3. Other hazards

None known

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3. Composition/information on ingredients

3.1. Substances

-

3.2. Mixtures

No hazardous ingredients

4. First aid measures

4.1. Description of first aid measures

- General advice : Remove contaminated clothing immediately and store/dispose of safely
- Inhalation : Remove the casualty into fresh air and keep him calm.
In the event of symptoms take medical treatment.
- 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.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms : No special hints.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical, water fog, alcohol foam

Unsuitable extinguishing media :

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

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

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

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Do not allow to enter drains or waterways
Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

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Pick up mechanically
Dispose of absorbed material in accordance with the regulations.

7. Handling and storage

7.1. Precautions for safe handling

Handling : no data available
Hygiene measures : Wash hands before breaks and after work.
Do not eat, drink or smoke when working.
Remove soiled or soaked clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

Prevention of fire and explosion

Information : None Known

Storage

Information : 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.
Further information on 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.

8. Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Engineering controls

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

Personal protective equipment

Eye protection : Chemical goggles or safety glasses recommended.
Hand protection : PVC gloves
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.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : solid
Form : flakes
Colour : from white to cream colour
Odour : Fatty
Odour Threshold : not measured
pH : 3 - 5 (50 °C)

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Remarks: At 5%, in Isopropanol/Water solvent

Melting point	: Melting point 79 - 81 °C
Boiling point	: Boiling point/range Remarks: not determined
Flash point	: > 212 °F Method: Penskey-Marten CC
Evaporation rate	: not measured
Flammability	: no data available
Upper Explosion/Ignition Limit	: not measured
Lower explosion limit	: not measured
Vapour pressure	: not measured not measured
Relative vapour density	: not measured
Relative density	: no data available
Solubility(ies)	: not measured
Water solubility	: dispersible
Partition coefficient: n-octanol/water	: not measured
Autoignition temperature	: not measured
Thermal decomposition	: Not measured
Viscosity, kinematic	: no data available
Viscosity, dynamic	: ca. 200 mPa.s (90 °C) Method: Brookfield
Explosive properties	: not measured
Oxidising properties	: not measured

9.2. Other information

Density	: ca. 0.87 g/cm ³ (90 °C)
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Metal corrosion : not measured

Ignition temperature : not determined

10. Stability and reactivity

10.1. Reactivity

see section "Possibility of hazardous reactions"

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No

10.4. Conditions to avoid

Avoid contact with strong oxidizing agents.

10.5. Incompatible materials

Unknown

10.6. Hazardous decomposition products

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : LD50
Species: Rat
Dose: > 2,000 mg/kg
Method: OECD Test Guideline 401

Acute toxicity (inhalation) : no data available

Acute toxicity (dermal) : no data available

Irritation/corrosion of the skin : The toxic effects of this material is not known.

Serious eye damage/ eye irritation : Result: The toxic effects of this material is not known.

Respiratory/skin sensitization : no data available

Repeated dose toxicity : no data available

CMR assessment

Carcinogenicity : no data available

Mutagenicity : no data available

Teratogenicity : no data available

Toxicity to reproduction : no data available

US. National Toxicology Program (NTP) Report on Carcinogens

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No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

US. IARC Monographs on Occupational Exposures to Chemical Agents

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

US. ACGIH Threshold Limit Values

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Specific Target : no data available
Organ Toxicity -
Single exposure

Specific Target : no data available
Organ Toxicity -
Repeated exposure

Aspiration hazard : No aspiration toxicity classification

Other information : Toxicological data refer to the main component.
Due to the composition of the product it cannot be excluded:
Irritates eyes and skin

12. Ecological information

Ecotoxicology Assessment

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

12.1. Toxicity

Aquatic toxicity, fish :

Aquatic toxicity, invertebrates :

Aquatic toxicity, algae / aquatic plants :

Toxicity in microorganisms : no data available

chronic toxicity in fish : no data available

Chronic toxicity in aquatic Invertebrates : no data available

Toxicity in organisms which live in the soil : no data available

Toxicity in terrestrial plants : no data available

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Toxicity to Above-Ground Organisms : no data available

12.2. Persistence and degradability

Photodegradation : no data available

Biological degradability : aerobic
Biological degradability: >60 %
Result: readily biodegradable
Method: OECD 301 B
Remarks: Values refer to the main component.

aerobic
Biological degradability: >60 %
Method: OECD 301 F
Remarks: Product

Physico-chemical removability : no data available

Biochemical Oxygen Demand (BOD) : no data available

Chemical Oxygen Demand (COD) : no data available

relation of BOD/COD : no data available

Dissolved organic carbon (DOC) : no data available

Adsorbed organic bound halogens (AOX) : no data available

Distribution among environmental compartments : no data available

12.3. Bioaccumulative potential

Bioaccumulation : no data available

12.4. Mobility in soil

Environmental distribution : no data available

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment : no data available

12.6. Other adverse effects

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

13. Disposal considerations

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13.1. Waste treatment methods

Product : 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

Not dangerous according to transport regulations.

- 14.1 UN number: --
14.2 UN proper shipping name: --
14.3 Transport hazard class(es): --
14.4 Packing group: --
14.5 Environmental hazards: --
14.6 Special precautions for user: No

15. Regulatory information

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the (M)SDS contains all information required by the Controlled Products Regulation

Canada : WHMIS CLASSIFICATION
Not Rated
This product does not contain component(s) on the WHMIS Ingredient Disclosure List.

US Federal Regulations

SARA Title III Section 311/312 Hazard Categories
- No SARA Hazards

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)
- This material does not contain any components with a SARA 302 RQ.

SARA 304 - Emergency Release Notification
- This material does not contain any components with a section 304 EHS RQ.

US. EPA CERCLA Hazardous Substances (40 CFR 302)
- Calculated RQ exceeds reasonably attainable upper limit.
CAS-No.: 74-87-3 100 lbs /

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required
- This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)
- No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

State Regulations

US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

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- No components are subject to the Pennsylvania Right to Know Act.

US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

- No components are subject to the Massachusetts Right to Know Act.

US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

1-Octadecanol CAS-No.: 112-92-5

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

- WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Methyl Chloride CAS-No.: 74-87-3

TSCA lists : TSCA 8D - Yes
• Methyl Chloride (CAS-No.: 74-87-3)

Other regulations : CTFA: complies

HMS Ratings

Health:	1
Flammability:	1
Reactivity:	0
Personal Protection:	X

Notification status

USA (TSCA) : listed/registered or exempted
Canada (NDSL) : listed/registered or exempted

16. Other information

List of references

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Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADNR	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
c.c.	closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
Chem G	German Chemicals Act
CMR	carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization For Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCI	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization