



# SAFETY DATA SHEET

## Mayosperse 7700-15

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Printed: 04/02/2015

Revision: 03/20/2015

Supersedes Revision: 03/10/2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** 87700-15  
**Product Name:** Mayosperse 7700-15  
**Trade Name:** Mayosperse 7700-15  
**Company Name:** Compass Chemical International LLC  
5544 Oakdale Road SE  
Smyrna, GA 30082  
**Phone Number:** (678)904-4017

**Web site address:** www.compasschemical.com

**Emergency Contact:** Chemtrec (800)424-9300  
24 Hour (404)696-6711

**Product Category:** Algaecide  
**Intended Use:** Intended for Industrial, Commercial or Residential use

### 2. HAZARDS IDENTIFICATION

**Acute Toxicity: Oral, Category 4**

**Aquatic Toxicity (Acute), Category 1**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
H400 - Very toxic to aquatic life.

**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P273 - Avoid release to the environment.

**GHS Response Phrases:** P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 - Rinse mouth.  
P391 - Collect spillage.

**GHS Storage and Disposal Phrases:** P501 - Dispose of contents/container in accordance with all federal, state and local regulations.

**OSHA Regulatory Status:** This material is classified as hazardous under OSHA regulations.

**Potential Health Effects (Acute and Chronic):** Chronic: None.

**Inhalation:** Prolonged inhalation may be harmful. Inhalation of material may be harmful. May cause respiratory irritation.

**Skin Contact:** Prolonged or repeated skin contact may cause irritation.

**Eye Contact:** Contact may cause eye irritation.

**Ingestion:** Harmful if swallowed. If medical advice is needed, have product container or label at hand.



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
31512-74-0	Poly(oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride)	15 %	TR1650000

### 4. FIRST AID MEASURES

<b>Emergency and First Aid Procedures:</b>	Wash with plenty of soap and water.
<b>In Case of Inhalation:</b>	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen. IF NOT BREATHING, call 911 or and ambulance, then give artificial respiration.
<b>In Case of Skin Contact:</b>	Wash with soap and water. Take off contaminated clothing and wash before re-use. If skin irritation or rash occurs, seek medical advice/attention.
<b>In Case of Eye Contact:</b>	Hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.
<b>In Case of Ingestion:</b>	If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
<b>Note to Physician:</b>	Treat symptomatically and supportively.

### 5. FIRE FIGHTING MEASURES

<b>Flammability Classification:</b>	Non-Flammable
<b>Flash Pt:</b>	> 212.0 F (100.0 C) Method Used: Cleveland Open Cup
<b>Explosive Limits:</b>	LEL: N.A. UEL: N.A.
<b>Autoignition Pt:</b>	NA
<b>Suitable Extinguishing Media:</b>	Use extinguishing agent suitable for type of surrounding fire.
<b>Unsuitable Extinguishing Media:</b>	No information available.
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.
<b>Flammable Properties and Hazards:</b>	No data available.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Wear appropriate gloves to prevent skin exposure. Wear chemical splash goggles.
<b>Environmental Precautions:</b>	Avoid release to the environment. This product is toxic to fish and aquatic organisms. Do not discharge into effluent containing this product into lakes, streams, ponds or estaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharging. Do not discharge effluent containing this product to sewer sytems without previously notifying the local sewage treatment plant authority. For guidance call your State Water Board Authority or Regional Office of the EPA.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Prevent further leakage or spillage if safe to do so. This material



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will sink and is soluble/dispersible, it is probably not recoverable. Notify the Authorities.  
LARGE SPILLS: Shut off leak if safe to do so.

### 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Do not contaminate water, food, or feed by storage or disposal. Open closures with care. Do NOT reuse empty containers without commercial cleaning or reconditioning. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
<b>Precautions To Be Taken in Storing:</b>	Keep container closed when not in use. No special storage requirements. Storage Temperature: Ambient. Storage Pressure: Atmospheric.
<b>Other Precautions:</b>	Spills must be absorbed with sawdust or sand and disposed of in a sanitary landfill. Leaking or damaged drums must be placed in overpack drums for disposal. Do not stack drums more than (4) drums high.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
31512-74-0	Poly(oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride)	No data.	No data.	No data.
<b>Respiratory Equipment (Specify Type):</b>	Respirator protection is not normally required.			
<b>Eye Protection:</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.			
<b>Protective Gloves:</b>	Impervious gloves.			
<b>Other Protective Clothing:</b>	Clothes to prevent skin contact. Protective garments not normally required.			
<b>Engineering Controls (Ventilation etc.):</b>	Ventilation should be provided to control worker exposures and prevent health risks and as necessary to reduce, prevent and control dust, mist, vapor or aerosol generation.			
<b>Work/Hygienic/Maintenance Practices:</b>	Wash thoroughly after handling. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.			
<b>Environmental Exposure Controls:</b>	Use adequate ventilation to keep airborne concentrations low. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.			

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas [X] Liquid [ ] Solid		
<b>Appearance and Odor:</b>	Light yellow to brown. Mild odor.		
<b>Freezing Point:</b>	<= 0 C (32.0 F)		
<b>Boiling Point:</b>	> 212.0 F (100.0 C)		
<b>Decomposition Temperature:</b>	NA		
<b>Autoignition Pt:</b>	NA		
<b>Flash Pt:</b>	> 212.0 F (100.0 C) Method Used: Cleveland Open Cup		
<b>Explosive Limits:</b>	LEL: N.A. UEL: N.A.		
<b>Specific Gravity (Water = 1):</b>	1.02 - 1.05 at 25.0 C (77.0 F)		
<b>Density:</b>	8.5 - 8.8 LB/GA at 25.0 C (77.0 F)		



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## Mayospense 7700-15

<b>Bulk density:</b>	NA
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NA
<b>Vapor Density (vs. Air = 1):</b>	NA
<b>Evaporation Rate:</b>	NA
<b>Solubility in Water:</b>	Soluble
<b>Saturated Vapor Concentration:</b>	NA
<b>Viscosity:</b>	< 125 CPS at 25.0 C (77.0 F)
<b>Octanol/Water Partition Coefficient:</b>	unknown
<b>pH:</b>	6 - 8
<b>Percent Volatile:</b>	~ 85.00 % by weight.
<b>VOC / Volume:</b>	NA
<b>Particle Size:</b>	NP
<b>Heat Value:</b>	NA
<b>Corrosion Rate:</b>	NE

### 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No dangerous reactions are known.
<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Not Established.
<b>Incompatibility - Materials To Avoid:</b>	None known.
<b>Hazardous Decomposition Or Byproducts:</b>	No data available.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

### 11. TOXICOLOGICAL INFORMATION

<b>Toxicological Information:</b>	Epidemiology: No data available. Teratogenicity: No data available. Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: CAS# 31512-74-0:
<b>Irritation or Corrosion:</b>	Acute toxicity, LD50, Oral, Rat, 1850. MG/KG. Result: Behavioral: Convulsions or effect on seizure threshold. Gastrointestinal:Hypermotility, diarrhea. Nutritional and Gross Metabolic:Changes in:Body temperature increase. - Farm Chemicals Handbook., Meister Pub., 37841 Euclid Ave., Willoughy, OH 44094, Vol/p/yr: -,C326, 1991  Acute toxicity, LD50, Skin, Species: Rabbit, > 2.000 GM/KG. Result: Liver: Fatty liver degeneration. Kidney, Ureter, Bladder:Other changes. Blood:Other changes. - Acute Toxicity Data. Journal of the American College of Toxicology, Part B., Mary Ann



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Liebert, Inc., 1651 Third Ave., New York, NY 10128, Vol/p/yr: 1,201, 1992

No data available.

**Symptoms related to Toxicological Characteristics:**

No data available.

**Chronic Toxicological Effects:**

No data available.

**Carcinogenicity/Other Information:**

CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
31512-74-0	Poly(oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride)	n.a.	n.a.	n.a.	n.a.

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:**

No data available.

**Results of PBT and vPvB assessment:**

CAS# 31512-74-0:

LC50, Fathead Minnow (*Pimephales promelas*), larva(e), 353.0 UG/L, 48 H, Mortality; The Acute and Chronic Effects of a Polyquaternary Ammonium Molluscicide Poly[Oxyethylene(Dimethyliminio)Ethylene-(Dimethyliminio)Ethylene Dichloride], Giltner, J.H.J., and P.C. Baumann, 1991

LC50, Rainbow Trout (*Oncorhynchus mykiss*), 44.00 UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L.

Result:

Morphological changes.

- Toxicity of Candidate Molluscicides to Zebra Mussels (*Dreissena polymorpha*) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

LC50, Harlequinfish, Red Rasbora (*Rasbora heteromorpha*), 660.0 UG/L, 24 H, Mortality, Water temperature: 20.00 C (68.0 F) C, pH: 8.10, Hardness: 20.00 MG/L; Acute Toxicity of 102 Pesticides and Miscellaneous Substances to Fish, Tooby, T.E., P.A. Hursey, and J.S. Alabaster, 1975

LC50, Channel Catfish (*Ictalurus punctatus*), 3350. UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L.

Result:

Morphological changes.

- Toxicity of Candidate Molluscicides to Zebra Mussels (*Dreissena polymorpha*) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993

LC50, Zebra Mussel (*Dreissena polymorpha*), 60000. UG/L, 48 H, Mortality, Water temperature: 17.00 C (62.6 F) C, pH: 7.70, Hardness: 40.00 MG/L.

Result:

Morphological changes.

- Toxicity of Candidate Molluscicides to Zebra Mussels (*Dreissena polymorpha*) and Selected Nontarget Organisms, Waller, D.L., J.J. Rach, W.G. Cope, L.L. Marking, S.W. Fisher, and H. Dabrowska, 1993



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Effective concentration to {0} % of test organisms, Zebra Mussel (*Dreissena polymorpha*), 1000. UG/L, 250 H, Behavior, Water temperature: 20.00 C (68.0 F) - 22.00 C (71.6 F) C, pH: 7.80, Hardness: 100.00 MG/L.

Result:

No loss of equilibrium observed.

- Control of the Biofouling Mollusc, *Dreissena polymorpha* (Bivalvia: Dreissenidae), with Sodium Hypochlorite and with Polyquaternary Ammonia and Benzothiazole Compounds, Martin, I.D., G.L. Mackie, and M.A. Baker, 1993

Effective concentration to {0} % of test organisms, Zebra Mussel (*Dreissena polymorpha*), 2000. UG/L, 250 H, Behavior, Water temperature: 20.00 C (68.0 F) - 22.00 C (71.6 F) C, pH: 7.80, Hardness: 100.00 MG/L.

Result:

No loss of equilibrium observed.

- Control of the Biofouling Mollusc, *Dreissena polymorpha* (Bivalvia: Dreissenidae), with Sodium Hypochlorite and with Polyquaternary Ammonia and Benzothiazole Compounds, Martin, I.D., G.L. Mackie, and M.A. Baker, 1993

LC50, Water Flea (*Ceriodaphnia dubia*), neonate, 218.0 UG/L, 48 H, Mortality; The Acute and Chronic Effects of a Polyquaternary Ammonium Molluscicide Poly[Oxyethylene(Dimethyliminio)Ethylene-(Dimethyliminio)Ethylene Dichloride], Giltner, J.H.J., and P.C. Baumann, 1991

**Persistence and Degradability:**

No data available.

**Bioaccumulative Potential:**

Toxic to aquatic life. Unknown Effect.

**Mobility in Soil:**

Unknown Effect.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:**

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

Discarded product, as sold, would not be considered a RCRA Hazardous Waste. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Empty drums should be completely drained and properly bunged, then promptly returned to a drum reconditioner, or properly disposed of.

### 14. TRANSPORT INFORMATION

**GHS Classification:**

Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed

Aquatic Toxicity (Acute), Category 1 - Warning! Very toxic to aquatic life

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not regulated as a hazardous material.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not regulated as a hazardous material.





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**LAND TRANSPORT (European ADR/RID):**

ADR/RID Shipping Name: Not regulated as a hazardous material.

UN Number:

Hazard Class:

**MARINE TRANSPORT (IMDG/IMO):**

IMDG/IMO Shipping Name:

UN Number: |N|

Packing Group:

Hazard Class:

IMDG MFAG Number: |

IMDG EMS Page: |

**AIR TRANSPORT (ICAO/IATA):**

ICAO/IATA Shipping Name: Non-Hazardous for Air Transport.

### 15. REGULATORY INFORMATION

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
31512-74-0	Poly(oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride)	No	No	No

This material meets the EPA  Yes  No Acute (immediate) Health Hazard  
 'Hazard Categories' defined  Yes  No Chronic (delayed) Health Hazard  
 for SARA Title III Sections  Yes  No Fire Hazard  
 311/312 as indicated:  Yes  No Sudden Release of Pressure Hazard  
 Yes  No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
31512-74-0	Poly(oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride)	CAA HAP,ODC: No; CWA NPDES: No; TSCA: No; CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
31512-74-0	Poly(oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride)	Canadian DSL: No; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: No; China IECSC: Yes; Japan ENCS: No; Korea ECL: Yes - KE-28990; Philippines ICCS: No; Taiwan TCSCA: Yes; REACH: Yes - (P)

**Regulatory Information:** This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**WARNING**

May be fatal if swallowed or absorbed through the skin  
 Harmful if inhaled  
 Causes skin irritation  
 Causes substantial but temporary eye injury  
 This pesticide is extremely toxic to fish.

**Regulatory Information Statement:** Regulatory information provided in this SDS was prepared for this product and is to be used only for the product in its present form, If this material is used as a component in another material or altered in any way, the information in this SDS may no longer be applicable. This document was generated for the purpose of distributing health, safety and environmental data.



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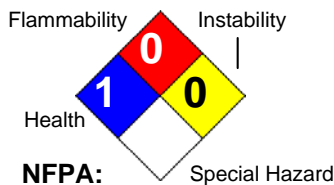
### 16. OTHER INFORMATION

**Revision Date:** 03/20/2015  
**Preparer Name:** Compass EHS Department (404)696-6711 4071

**Hazard Rating System:**

HEALTH		1
FLAMMABILITY		0
PHYSICAL		0
PPE		B

**HMIS:**



**Additional Information About** SDS Data Field Acronym Legend:

**This Product:**  
NA- Not Available  
NP- Not Applicable  
NR- Not Required  
PR- Proprietary  
TS- Trade Secret.

**Company Policy or Disclaimer:** MANUFACTURER DISCLAIMER: NOTICE: We believe that the information contained on this Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily either all- inclusive or fully adequate in every circumstance. Also, these suggestions should not be confused with or followed in violation of applicable laws, regulation, rules or insurance requirements. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.