

# ACTIVE CHEMICAL CORP.

## Material Safety Data Sheet

**Active Chemical**

### B-200

Revision date: 6/3/11

Active Chemical Corporation  
4511 Old Lincoln Highway  
Oakford, PA 19053

#### 24 Hour Emergency Phone

1-800-255-3924

Chem-Tel

Phone: 215-676-1111

#### SECTION 1

#### OSHA HAZARD CLASSIFICATIONS

Irritating to eyes.

#### SECTION 2

#### HAZARDOUS COMPONENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by weight</u>	<u>TLV</u>
Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]	31512-74-0	20	N/A

While some substances are claimed as trade secret in accordance with the provision of OSHA 29 CFR 1910.1200(i), all known hazards are clearly communicated within this document.

#### SECTION 3

#### FIRST AID INFORMATION

Eye

Exposure:

Flush immediately with copious amounts of tap water or normal saline (minimum of 15 min.). Take exposed individual to a health care professional, preferably an ophthalmologist, for further evaluation.

Skin

Exposure:

Wash exposed area with plenty of water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists consult a health care professional.

Inhalation:

If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, dizziness, has difficulty in breathing or cyanotic, seek a health care professional immediately.

Ingestion:

DO NOT INDUCE VOMITING. Rinse with copious amounts of water or milk, first. Irrigate the esophagus and dilute stomach contents by slowly giving one (1) to two (2) glasses of water or milk. Avoid giving alcohol or alcohol related products. In cases where the individual is semi-comatose, comatose or convulsing, DO NOT GIVE FLUIDS BY MOUTH. In case of intentional ingestion of the product seek medical assistance immediately; take individual to nearest medical facility.

## SECTION 4

## PRIMARY ROUTES OF EXPOSURE

**1. Effects from Acute Exposure:**

- Eye Exposure:** Slightly Hazardous in case of eye contact (irritant).
- Skin Exposure:** Slightly hazardous in case of skin contact (irritant). Non-sensitizer to skin. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.
- Inhalation:** Slightly hazardous in case of inhalation. Effects will depend on concentration and length of time exposed.
- Ingestion:** Ingestion is not expected to be a primary route of exposure.

**2. Effects from Chronic Exposure:**

The effects from chronic exposure to this product have not been fully evaluated.

## SECTION 5

## TOXICOLOGICAL INFORMATION ( BASED ON 60% ACTIVE INGREDIENTS)

**Acute Effects:**

Acute	Oral	(LD50) = 1951 mg/kg Male rat
Acute	Oral	(LD50) = 2587 mg/kg Female rat
Acute	Oral	(LD50) = >2000 mg/kg Rabbit
Acute	Oral	(LC50) = 2.9 mg/l ( 4 hours) Rat

**Irritant/Sensitization Effects:**

Slightly hazardous in case of eye contact (irritant).  
 Slightly hazardous in case of skin contact (irritant). Non-sensitizer to skin. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.  
 Slightly hazardous in case of inhalation. Effects will depend on concentration and length of time exposed.

**Carcinogenic Potential:**

A two year rat carcinogenicity study showed a slight increase in c-cell adenomas in female rats. Studies with male rats and male and female mice did not show any evidence of carcinogenic response. This product is not considered a carcinogen.

**Target Organs Effects:**

May cause damage to the following organs: upper respiratory tract, skin, eyes.

**Other Health Effects:**

None known

## SECTION 6

## ENVIROMENTAL TOXICOLOGICAL INFORMATION (BASED ON 60% ACTIVE INGREDIENTS)

LC50 = 0.37 mg/l 48 hours Invertebrate (daphnia magna)	Chronic/reproduction-daphnia magna
LC50 = 0.26 mg/l 96 hours Fathead minnow	16 day LC50 1.3 mg a.i./L
LC50 = 0.21 mg/l 96 hours Bluegill sunfish	16 day EC50 >1.0 mg a.i./L
LC50 = 0.047 mg/l 96 hours Rainbow trout	NOEC 1.0 mg a.i./L
LC50 = >600 mg/l 96 hours Sheepshead minnow	
LC50 = 13 mg/l 96 hours Mysid Shrimp	

**SECTION 7****PHYSICAL AND CHEMICAL PROPERTIES**

<i>Appearance</i> .....	<b>Brown Liquid</b>
<i>Odor</i> .....	<b>Mild</b>
<i>Density</i> .....	<b>1.044</b>
<i>Flash Point</i> .....	<b>Closed cup: &gt;100°C (212°F). (Tagliabue.)</b>
<i>Melting/Freezing Point</i> .....	<b>-9°C/15°F</b>
<i>Boiler Point</i> .....	<b>&gt;100°C (212°F)</b>
<i>Solubility</i> .....	<b>Easily soluble in cold water. Easily soluble in hot water.</b>
<i>pH (Neat)</i> .....	<b>7[Neutral.]</b>
<i>pH (100 ppm in water)</i> .....	<b>6-7</b>
<i>Vapor Pressure</i> .....	<b>Not available</b>
<i>o/w Partition Coefficient</i> .....	<b>Not available</b>
<i>Oxidizing/Reducing Properties</i> .....	<b>Not available</b>
<i>Viscosity</i> .....	<b>Kinematic: 125 cSt</b>
<i>Additional pH Information</i> .....	<b>pH (neat) = 6.0 – 8.0</b>

**NOTE: The physical data presented above are typical values and should not be construed as specifications.**

**SECTION 8****FIRE AND EXPLOSION INFORMATION**

<i>Flammable Limits</i> .....	<b>Not Available.</b>
<i>Extinguishing Media</i> .....	<b>Water fog, carbon dioxide, foam, dry chemical.</b>
<i>Special Firefighting Procedures</i> ....	<b>Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.</b>

**SECTION 9****REACTIVITY INFORMATION**

<i>Stability</i> .....	<b>Stable under normal conditions of use and storage.</b>
<i>Incompatibility</i> .....	<b>Anionic polymers</b>
<i>Hazardous Decomposition Products</i> .....	<b>Carbon monoxide may be formed upon burning.</b>

**SECTION 10****HANDLING PRECAUTIONS**

**Eye-wash fountains in the work place are recommended. Rubber gloves, safety glasses or goggles and body protective clothing and shoes are required. The handling precautions for this product are based on the characteristics of the neat product unless otherwise specified.**

**SECTION 11****SATISFACTORY MATERIALS OF CONSTRUCTION**

**Buna-N rubber  
Butyl rubber  
Polypropylene  
Plexiglas  
Teflon  
PVC –rigid  
Viton  
EPDM rubber  
PVC – flexible  
Fiberglass**



Neoprene  
Polyethylene – low density  
Tygon  
Tyril 880  
Gum rubber  
Silicone rubber  
Hypalon  
Polyethylene – high density  
Stainless steels 304 and 316  
ABS (plastic)  
Morton test liner (108 T 44LV)  
6/6 Nylon  
FRP lined mild steel

SECTION 12

SPILL, LEAK, AND DISPOSAL PROCEDURES

**SPILL AND LEAK RESPONSE GUIDELINES:**

**Important:** Before responding to a spill or leak of this product, review each section of this MSDS. Follow the recommendations given in the Handling Precautions sections. Check the Fire and Explosion Data section to determine if the use of non-sparkling tools is merited. Insure that spilled or leaked product does not come into contact with materials listed as incompatible. If irritating fumes are present, consider evacuation of enclosed areas.

**Emergency Response Assistance:** Emergency technical assistance is available at any time from Active Chemical Corp., by calling (215)676-111

Initially minimize area affected by the spill or leak. Block any potential routes to water systems (e.g., sewers, streams, lakes, etc.). Based on the product's toxicological and chemical properties, and on the size and location of the spill or leak, assess the impact on contaminated environments (e.g. water systems, ground, air equipment, etc.). There are no methods available to completely eliminate any toxicity this product may have on aquatic environments. Minimize adverse effects on these environments. Active Chemical Corp. can be contacted for technical assistance. Determine if federal, state, and/or local release notification is required (see Regulatory Classifications section of this MSDS). Recover as much of the pure product as possible into appropriate containers. Later, determine if this recovered product can be used for its intended purpose. Address clean-up of contaminated environments. Spill or leak residuals may have to be collected and disposed of. Clay, soil, or commercially available absorbents may be used to recover any material that can not readily be recovered as pure product. Flushing residual material to an industrial sewer, if present at the site of a spill or leak incident, may be acceptable if authorized approval is obtained. If product and/or spill/leak residuals are flushed to an industrial sewer insure that they do not come into contact with incompatible materials. Contact the person(s) responsible for the operation of your facility's industrial sewer system prior to intentionally flushing or pumping spills or leaks of this product to the industrial sewer.

**DISPOSAL GUIDELINES**

**Note:** Follow federal, state, and local regulations governing the disposal of waste materials.

**Neat Product:** Contact your Active Chemical Corp representative or Active Chemical Corp. at 215-676-111

**Contaminated Materials:** Determine if waste containing this product can be handled by available industrial effluent system or other on-site waste management unit. If off-site management is required, contact a company experienced in industrial waste management. This product is not specifically listed in 40 CFR 261 as a Resource Conservation and Recovery Act (RCRA) hazardous waste. However, spill or leak residuals may meet the criteria of a characteristic hazardous waste under this Act. Check the characteristics of the material to be disposed of and/or the physical and reactivity given in this MSDS for the neat product.

**Container Disposal:** Empty containers, as defined by appropriate sections of the RCRA, are not RCRA hazardous wastes. However, insure proper management of any residuals remaining in container.

## SECTION 13

## TRANSPORTATION AND SHIPPING INFORMATION

**DOT Shipping Information:**

**DOT ( Ground shipments only): Not Regulated. -----IATA (Air shipments): UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Cationic polymer), Class 9, P.G. III, MARINE POLLUTANT, (ERG Guide 171, ERG Code 9L)**

**IMO/IMDG Shipping Information:**

**UN3082, ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.,(Cationic polymer), Class 9, P.G. III, MARINE POLLUTANT, (EmS No. F-A, S-F, ERG Guide 171, HazMat Code 4960131)**

**IATA Shipping Information:**

**UN3082, ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (Cationic polymer), Class 9, P.G. III, Marine Pollutant, (ERG Guide 171, ERG Code 9L)**

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**DOT "RQ": NONE**

*Unless otherwise stated, the shipping information provided above applies only to non-bulk containers of this product. Proper shipping name and general shipping information may vary depending on packaging and mode of shipment. All products shipped from Active Chemical Corp locations have been properly packaged and labeled according to appropriate hazardous materials shipping regulations. If any alteration of packaging, product, or mode of transportation is further intended, different shipping information, including but not limited to proper shipping name, RQ designation, and labeling may apply. For further information pertaining to the shipping requirements for this product, contact Active Chemical Corp Transportation Dept. or DOT Coordinator.*

## SECTION 14

## REGULATORY INFORMATION

**The following regulations are known to apply to the use and disposal of this product. Additional Federal, State and Local regulations may also be applicable.**

SARA (Superfund Amendments and Reauthorization Act)

SARA 302 Extremely Hazardous Substances List...

**No components of this product are listed.**

SARA 312 Hazard Category...

**Immediate (Acute) Health Hazard**

SARA 313 Toxic Chemical List...

**No components of this product are present above the *de minimus* levels.**

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

**No components of this product are present above the *de minimus* levels.**

RCRA (Resource Conservation and Recovery Act) Listed Hazardous Waste

**No components of this product are listed.**

CWA (Clean Water Act) Listed Substances

**No components of this product are listed.**

FDA (Food and Drug Administration)

**This product is not allowed for food contact uses.**

TSCA (Toxic Substances Control Act) Applicability

All components may not be listed on the TSCA Inventory. Registered pesticides are exempt from the requirements of TSCA.

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act)

This product is a registered pesticide. EPA Reg. No. 1448-62-7189

HMIS/NPCA Rating... Health 1 Flammability 1 Reactivity 0

NFPA Ratings..... Health 1 Flammability 1 Reactivity 0

State Regulations

Various State Right to Know Acts...

**Non-proprietary hazardous chemicals are listed in Section 2 of this MSDS. Should You require further information on specific proprietary or inert ingredients please Contact Active Chemical Corp.**

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Data Sheet is the responsibility of the user. This Material data Safety Sheet was prepared to comply with the OSHA Hazard Communication regulations. While some components are claimed Trade Secret under OSHA Hazard Communication regulations, all known OSHA hazards associated with the Trade Secret component(s), if contained in this product, are fully disclosed.

Active Chemical Corp. warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions.

Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty.

The exclusive remedy against seller shall be in a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort.

Any controversy of claim arising out or relating to this contract, or breach thereof, shall be settle by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgement upon the rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.