



# Material Safety Data Sheet

## Bannish

### Section 1. Chemical Product and Company Identification

Common Name : **Bannish**

Supplier : Dober Group  
14461 S. Waverly Ave.  
Midlothian, IL 60445

Code : 000934

Trade Name : Bannish

Material Uses : Industrial and Institutional laundering.

Manufacturer : Dober Group  
14461 S. Waverly Ave.  
Midlothian, IL 60445

Validation Date : 8/30/2004.

Emergency Telephone : ChemTel  
1-813-248-0585  
1-800-255-3924

### Section 2. Composition, Information on Ingredients

Name	CAS #	% by Weight	UN Number
No hazardous ingredient.			

This material is classified as not hazardous under OSHA regulations.

### Section 3. Hazards Identification

Physical State and Appearance : Liquid.

Emergency Overview : No specific hazard.  
USE WITH CARE.  
Follow good industrial hygiene practice.

Routes of Entry : Absorbed through skin. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

- Eyes : Not available.
- Skin : Non-sensitizer for skin.
- Inhalation : Not available.
- Ingestion : Not available.

Potential Chronic Health Effects : **CARCINOGENIC EFFECTS:** Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.  
**MUTAGENIC EFFECTS:** Not available.  
**TERATOGENIC EFFECTS:** Not available.

Medical Conditions Aggravated by Overexposure : Repeated or prolonged exposure is not known to aggravate medical condition.

Over-exposure signs/symptoms : Not available.

See Toxicological Information (Section 11)

### Section 4. First Aid Measures

Eye Contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

1 Contact : Wash with soap and water. Get medical attention if irritation develops. Cold water may be used.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Notes to Physician : No specific antidote. Medical staff must contact Poisons Information Center.

*Continued on Next Page*

## Section 5. Fire Fighting Measures

Flammability of the Product : Non-flammable.  
Auto-ignition Temperature : Not applicable.  
Flash Points : Not applicable.  
Flammable Limits : Not applicable.  
Products of Combustion : Not applicable.  
Fire Hazards in Presence of Various Substances : Not applicable.  
Explosion Hazards in Presence of Various Substances : Risks of explosion of the product in presence of mechanical impact: Not applicable.  
Risks of explosion of the product in presence of static discharge: Not applicable.  
Fire Fighting Media and Instructions : Not applicable.  
Protective Clothing (Fire) : Not applicable.  
Special Remarks on Fire Hazards : Not available.

## Section 6. Accidental Release Measures

Small Spill and Leak : Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.  
Large Spill and Leak : Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## Section 7. Handling and Storage

Handling : Avoid breathing vapors or spray mists.  
Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

## Section 8. Exposure Controls, Personal Protection

Engineering Controls : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.  
Personal Protection  
Eyes : Safety glasses.  
Body : Not applicable.  
Respiratory : Not applicable.  
Hands : Not applicable.  
Feet : Not applicable.

Protective Clothing (Pictograms) :



Personal Protection in Case of a Large Spill : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Exposure Limits

Product Name

None assigned.

### Exposure Limits

Consult local authorities for acceptable exposure limits.

## Section 9. Physical and Chemical Properties

Physical State and appearance	: Liquid.
Color	: Water white.
Odor	: Odorless.
Molecular Weight	: Not applicable.
Molecular Formula	: Not applicable.
pH	: 6.8 (Conc. (% w/w): 1) [Neutral.]
Boiling/Condensation Point	: The lowest known value is 99.9°C (211.8°F) (Water).
Melting/Freezing Point	: May start to solidify at -0.1°C (31.8°F) based on data for: Water.
Specific Gravity	: 1.12 (Water = 1)
Vapor Pressure	: The highest known value is 2.3 kPa (17.5 mm Hg) (at 20°C) (Water).
Vapor Density	: The highest known value is 0.62 (Air = 1) (Water).
Volatility	: Not available.
Odor Threshold	: Not available.
Evaporation Rate	: Not available.
Viscosity	: Not available.
LogK <sub>ow</sub>	: Not available.
Solubility	: Miscible in water.

## Section 10. Stability and Reactivity

Stability and Reactivity	: The product is stable.
Conditions of Instability	: Not available.
Incompatibility with Various Substances	: Reactive with oxidizing agents, acids.
Hazardous Decomposition Products	: Not available.
Hazardous Polymerization	: Will not occur.

## Section 11. Toxicological Information

### Toxicity Data

<u>Ingredient Name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Not available.				
Chronic Effects on Humans	: Not available.			
Other Toxic Effects on Humans	: Non-sensitizer for skin.			
Special Remarks on Toxicity to Animals	: Not available.			
Special Remarks on Other Toxic Effects on Humans	: Not available.			

## Section 12. Ecological Information

### Ecotoxicity Data

<u>Ingredient Name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Not available.			
BOD and COD	: Not available.		
Biodegradable/OECD	: Not available.		
Mobility	: Not available.		
Products of Degradation	: These products are sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ). Some metallic oxides.		
Toxicity of the Products of Degradation	: The product itself and its products of degradation are not toxic.		
Special Remarks on the Products of Biodegradation	: Not available.		

## Section 13. Disposal Considerations

**Waste Information** : Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

## Section 14. Transport Information

Regulatory Information	UN Number	Proper Shipping Name	Class	Packing Group	Label	Additional Information
United States (DOT)	Not regulated.	-	-	-		-
Canada (TDG)	Not regulated.	-	-	-		-
Mexico (NOM-004-SCT2-1994)	Not regulated.	-	-	-		-
IMDG Code	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

**NAERG** : Not applicable.

## Section 15. Regulatory Information

<b>HCS Classification</b>	: Not controlled under the HCS (United States).		
<b>U.S. Federal Regulations</b>	: TSCA 8(b) inventory: Water; Sodium Thiosulfate, Pentahydrate Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found. SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Sodium Thiosulfate, Pentahydrate SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium Thiosulfate, Pentahydrate: Immediate (Acute) Health Hazard		
<b>SARA 313</b>	<b>Ingredient Name</b> % by Weight Form R - Reporting Requirements : No products were found.		
Supplier Notification	: No products were found.		
State Regulations	: California prop. 65: No products were found.		
WHMIS (Canada)	: Not controlled under WHMIS (Canada). CEPA DSL: Water <b>This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.</b>		
Hazardous Ingredients Classification of the Degree of Risk (Mexico)	<b>Ingredient Name</b> No hazardous ingredient.		

## Section 16. Other Information

Label Requirements : USE WITH CARE.

Hazardous Material  
Information System  
(U.S.A.)

Health	0
Reactivity	0
Personal Protection	C

National Fire  
Protection  
Association  
(U.S.A.)



### References

: - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. ANSI Z400.1, MSDS Standard, 2001. -Canada Gazette Part II, Vol. 122, No. 2 Registration SOR/88-64 31 December, 1987 Hazardous Products Act "Ingredient Disclosure List". - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2002. - Official Mexican Standards NOM-018-STPS-2000 and NOM-004-SCT2-1994. -Manufacturer's Material Safety Data Sheet.

Responsible Name : Kemika XXI Inc. +1-450-435-7475

Validation Date : 8/30/2004.

Date of Previous Issue : Not applicable.

Version : 1

### Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.