

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

OSTREM CHEMICAL CO. LTD.
2310 - 80 AVENUE
EDMONTON AB T6P 1N2

Phone: 780-440-1911 or 780-446-0177
In Case of Emergency Only:
phone CANUTEC at (613) 996-6666

Product name: BLOOD OUT

Code: Y912

Other name:

Distributed by:

Product use: blood prespotter for laundry

Date completed: April 01, 2014

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	%W/W	CAS number
triethanolamine 85%	1 - 5	102-71-6
sodium carbonate	1 - 5	497-19-8
tetrasodium salt of ethylene diamine tetraacetic acid (EDTA)	1 - 5	64-02-8

3. HAZARDS IDENTIFICATION

Harmful if swallowed. Causes respiratory tract, skin and eye irritation.

4. FIRST AID MEASURES

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

Ingestion: Induce vomiting only on the direct advice of a poison control centre. Get medical attention.

Eye contact: Flush with plenty of water for 15 minutes. Get medical attention if irritation persists.

Skin contact: Remove contaminated clothing and flush with plenty of water.

5. FIRE - FIGHTING MEASURES

Flash point (test method): Not available

Flammable limits (%): Not available

Lower: Not available

Upper: Not available

Fire extinguishing substances: As for surrounding fire

Autoignition temperatures: Not available

Hazardous combustion products: May liberate oxides of carbon, nitrogen and sulphur.

Explosion data:

Sensitivity to mechanical impact: Not available

Sensitivity to static discharge: Not available

Special firefighting procedures: As for surrounding fire. Fire fighters should wear full protective clothing and self contained breathing equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear appropriate protective equipment.

Environmental precautions: Prevent from entering sewers, waterways or low areas.

Methods for cleaning up: Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate

container and flush with water.

7. HANDLING AND STORAGE

Handling: Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage: Keep out of reach of children. Keep container tightly closed. Store in a cool, dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Special ventilation requirements not normally necessary.
Respiratory protection: Not normally necessary. An N95 NIOSH respirator may be worn.
Eye protection: Wear safety glasses.
Other protection: Wear protective clothing as necessary to prevent skin contact.

Exposure limits:

INGREDIENT	ACGIH	OSHA	Other
triethanolamine	TLV-TWA - 5 mg/m ³		
sodium carbonate	Not available		
tetrasodium salt of ethylene diamine	Not available		
tetraacetic acid (EDTA)			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid	Solubility in water: soluble
Boiling point: Not available	Vapour pressure: Not available
Vapour density: Not available	Evaporation rate: Not available
Freezing point: Not available	Odour threshold: Not available
Sp. Gravity: 1.038	pH: 10 - 11
Appearance & odour:	clear, light yellow detergent with strong ammonia odour

10. STABILITY AND REACTIVITY

Stability: Stable
Conditions of instability: keep away from heat, sparks and flame
Incompatibility: () Water (X) Oxidizers (X) Acid () Base () Other
Conditions of reactivity: Not available
Hazardous decomposition products: Not available

11. TOXICOLOGICAL PROPERTIES

POTENTIAL ACUTE HEALTH EFFECTS

Inhalation: Irritating to respiratory system.
Ingestion: Swallowing small amounts of this material is not likely to cause harmful effects. Large amounts may cause stomach and intestinal irritation, abdominal pain and vomiting.
Eye contact: May cause mild to severe irritation such as stinging, tearing, redness and swelling of the
Skin contact: May cause skin irritation.
Skin absorption: Not applicable

POTENTIAL CHRONIC HEALTH EFFECTS:

Inhalation: Repeat or prolonged exposure may cause damage to lungs.
Ingestion: Not available
Eye contact: Repeated or prolonged contact with spray or mist may produce chronic eye irritation.
Skin contact: Repeated skin exposure may produce local skin destruction or dermatitis.
Skin absorption: Not applicable

Sensitization of product: Not available
Carcinogenicity: IARC (1, 2A or 2B) No known significant effects.
ACGIH: (A1, A2 or A3) No known significant effects.

Reproductive toxicity: No known significant effects.
Teratogenicity: No known significant effects.
Mutagenicity: No known significant effects.
Synergistic product: Not available

HAZARDOUS INGREDIENTS	CAS NO.	TOXICITY DATA
triethanolamine	102-71-6	LD ₅₀ Oral (rat) 4190 mg/kg LD ₅₀ Dermal (rabbit) 2000 mg/kg
sodium carbonate	497-19-8	LD ₅₀ Oral (rat) 4090 mg/kg LC ₅₀ Inhalation (rat) 2300 mg/m ³
tetrasodium salt of ethylene diamine tetraacetic acid (EDTA)	64-02-8	LD ₅₀ Oral (rat) >2000 mg/kg LD ₅₀ Dermal (rabbit) 1350 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicological information: Not available

Other information:

13. DISPOSAL CONSIDERATIONS

Waste disposal: Disposal of all waste must be done according to local, provincial and federal regulations.

14. TRANSPORT INFORMATION

TDG classification: Not regulated

15. REGULATORY INFORMATION

WHMIS: D2B Other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. PREPARATION INFORMATION

Prepared by: Technical Services Department, Ostrem Chemical Co. Ltd., Ph: (780) 440-1911