UNITED 228



MATERIAL SAFETY DATA SHEET

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To Reorder Call: 800-323-2594

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1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES 24 Hour INFOTRAC (US and CANADA): **800-535-5053**

PRODUCT NAME
USE/DESCRIPTION
UNITED 228 FLOCCULANT CONCENTRATE
Flocculant Concentra

Flocculant Concentrate for Wastewater Treatment Facilities

REVISION DATE April 6, 2014

HMIS III HEALTH (0 = Maximum Safety)

Always follow Label Directions and Cautions.

* Chronic 2 Moderate 4 Severe 1 Slight 3 Serious 0 Minimal

See Hazards Identification Section of this MSDS

for more detailed information.

FLAMMABILITY (0 = Maximum Safety)

Susceptibility of Material to Burning.

4 Extremely flammable 1 Must be preheated

3 Ignites at normal temperature. to burn.2 Ignites when moderately heated. 0 Will not burn.

PHYSICAL HAZARD (0 = Maximum Safety)

Susceptible to Release of Energy.

May detonate-vacate area if materials are exposed to fire.
 Strong shock of heat may detonate-use monitors from

detonate-use monitors from behind explosion resistant barriers.

2 Violent chemical change possible-use hose stream from distance

1 Unstable if heated-use precaution.

Normally stable.

PERSONAL PROTECTION: B



2. COMPOSITION/INFORMATION ON INGREDIENTS

In accordance with Federal Regulation 29 CFR 1910.1200, all materials in this product are considered non-hazardous.

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3. HAZARDS IDENTIFICATION

Eyes: May cause irritation.

Skin: Prolonged or repeated contact may cause temporary irritation.

Inhalation: Large amounts may cause respiratory irritation to sensitive individuals.

Ingestion: Large quantities (more than a few ounces) may cause upset stomach, diarrhea, nausea, and vomiting.

4. FIRST AID MEASURES

Eyes: Flush with plenty of cool water for at least 15 minutes. If irritation persists, call a physician or poison center.

Skin: Wash with soap and water. If irritation develops, call a physician or poison center.

Inhalation: Remove to fresh air. Apply CPR if necessary. Call a physician if irritation persists.

If Swallowed: DO NOT induce vomiting. Call a physician.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): None Explosive Limits: Lower (LEL): ND Upper (UEL): ND

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may produce oxides of carbon, oxides of

nitrogen, and ammonia.

Fire and Explosion Hazards: None known.

Extinguishing Media: Water spray, Carbon dioxide, Dry chemical.

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Flush to sewage drain. This product may cause slippery conditions; rinse thoroughly. Large Spills: Flush to sewage drain. This product may cause slippery conditions; rinse thoroughly.

7. HANDLING AND STORAGE

Keep this product in a properly labeled, tightly closed container. Do not allow this product to freeze, as they may split or rupture. To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses recommended.

Skin: Chemical resistant gloves recommended for prolonged exposure.

Respiratory: Normally not required.

Engineering Controls: Normally not required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:212°F/100°CSpecific Gravity:1.025 (H2O=1)Vapor Pressure:NDMelting Point:NDVapor Density:NDEvaporation Rate:1 (Water=1)Solubility in Water:MisciblepH:5.5 - 6.5

Appearance and Odor: Colorless liquid with slight scent.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce oxides of carbon, oxides of nitrogen, and

ammonia.

Chemical Stability: Stable

Incompatibility: Oxidizers such as bleach; material reacts slowly with iron, copper, and aluminum resulting in metal corrosion and

product degradation.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): None

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT-Land USA: Not regulated for transportation. **TDG-Land Canada:** Not regulated for transportation. **IMDG-Ocean:** Not regulated for Ocean shipping. **IATA-Air:** Not regulated for Air shipping.

15. REGULATORY INFORMATION

VOC (Volatile Organic Compounds): None TSCA (Toxic Substances Control Act): Listed SARA Title III Section 302 EHS: None SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: None

WHMIS Classification:

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

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

UNITED 228 FLOCCULANT CONCENTRATE PREPARED BY: Sandy Kopacz