

# Material Safety Data Sheet

JMZ DISTRIBUTING  
1300 LAMAR  
DENVER CO 80214

## Section I. Product Identification and Uses

	HFRP - HMIS		
	Health Hazard		* 1
	Fire Hazard		0
	Reactivity		0
	Personal Protection		0
Common / Trade name	SUMMIT ADVANTAGE PLUS	TDG	Not controlled under TDG (Canada).
WHMIS Code	Laun.Det D-2B 0649	PIN PG	Not applicable. Not applicable.
Material uses	Industrial applications: Laundry detergent.		

## Section II. Hazardous Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC50/LD50
Nonyl phenol ethoxylate	9016-45-9	1-5	Not available.	ORAL (LD50): Acute: 1310 mg/kg [Rat].
Sodium carbonate	497-19-8	10-30	Not available.	ORAL (LD50): Acute: 4090 mg/kg [Rat].

## Section III. First Aid Measures

Eye contact	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persists, seek medical attention.
Skin contact	Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. If irritation persists, seek medical attention.
Inhalation	Allow to rest in a well ventilated area.
Ingestion	DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention. NEVER give an unconscious person anything to ingest.

## Section IV. Physical Data

Physical state and appearance	Solid.	Color	White with blue crystals
pH (1% soln/water)	10.5 to 11.1 [Basic.]	Odor	Lemon.
pH (concentrate)	Not available.	Volatility	Not available.
Boiling point	Not available.	Vapor density	Not available.
Specific gravity	Weighted average: 2.2 (Water = 1)	Vapor pressure	Not applicable.
Solubility	Easily soluble in cold water, hot water, methanol. Insoluble in diethyl ether, n-octanol.		

## Section V. Fire and Explosion Data

The product is:	Non-flammable.
Auto-ignition temperature	Not applicable.
Flash points	Not applicable.
Degradation products	Carbon oxides (CO, CO2),
Extinguishing media	Use DRY chemicals, CO2, water spray or foam.

## Section VI. Reactivity Data

Stability	The product is stable.
Decomp. products	See fire degradation products.
Reactivity	Reactive with oxidizing materials, reducing materials, acids, alkalies.

## Section VII. Toxicological Properties

Routes of entry	Eye contact. Ingestion.
Toxicity for animals	See section II
Acute effects	This product may irritate eyes upon contact. HARMFUL IF SWALLOWED.
Chronic effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure of the eyes to the product can produce eye irritation.

## Section VIII. Preventive Measures

<b>Waste disposal</b>	Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
<b>Storage</b>	Store in a dry, cool and well-ventilated area. Keep away from incompatibles.
<b>Precautions</b>	Keep locked up. Keep container dry. DO NOT ingest. Do not breath dusts. Avoid contact with eyes and skin. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep out of reach of children.
<b>Spill and leak</b>	Put the spilled solid in a convenient waste disposal container. Dilute with water and mop up, or absorb with an inert DRY material.

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#### **Section IX. Personal protective equipment**

<b>Gloves</b>	Gloves.
<b>Respiratory</b>	Wear appropriate respirator when ventilation is inadequate.
<b>Eyes</b>	Splash goggles.
<b>Other</b>	Full suit, apron, face shield, boots: are recommended under exceptional circumstances such as fire, spill, or for prolonged contact with bulk quantities.
<b>Eng. controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

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#### **Section X. Preparation and other Information**

**Validated by the Reglementary Affaires Department on 02/08/02**

**Printed**

**08/07/02**

**CHEMTREC (800) 424-9300**

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