

MATERIAL SAFETY DATA SHEET

Flammability	Reactivity
Health	Personal Protection

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name Formula 317

Manufacturer Crown Chemical Products Inc.

Supplier's Name

Street Address 6125 Netherhart Road
Mississauga, Ontario
L5T 1G5

Supplier's Address

Emergency Tel. (905) 564-0904

Chemical Name

Chemical Family Alkali

Molecular Weight

Material Use General Purpose Cleaner

SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S. N.A. or U. N. Numbers	Exposure Limits	LD ₅₀ /LC ₅₀ Specify Species and Route
Sodium Silicate	10-30	6834-92-0	(N.S.L.) TLV 2mg/m ³	N/AV
Sodium Carbonate	30-60	497-19-8	N/AV	(ORAL, RAT) LD50 = 4g/Kg
Surfactant	5-10	68411-30-3	N/AV	(ORAL, RAT) LD50 = 3000 Mg/Kg

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State Solid

Odour and Appearance White powder, odourless.

Specific Gravity N/AP

Evaporation Rate N/AV

Boiling Point (°C) N/AP

Freezing Point (°C) N/AP

Solubility in Water (20°C) Completely

% Volatile (by volume) N/AV

pH 1% sol 10.5

Density (g/ml) N/AP

Coefficient of Water/Oil Distribution N/AP

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability (If yes, under which conditions:) No.

Means of Extinction N/AV

Special Procedures N/AV

Flashpoint (°C) and Method N/AP

UEL (% By Vol.) N/AP

LEL (% By Vol.) N/AP

Auto Ignition Temp. (°C) N/AP

TDG Flammability Classification N/AP

Hazardous Combustion Products N/AP

Explosion Data - Sensitivity to Chemical Impact

Rate of Burning N/AP

Explosive Power N/AP

Sensitivity to Static Discharge N/AP

SECTION V - REACTIVITY DATA

Chemical Stability Yes.

Incompatibility to Other Substances Yes, concentrated acids.

Reactivity and Under What Conditions? Contact with concentrated acid.

Hazardous Decomposition Products May liberate carbon monoxide, carbon dioxide, oxides of sodium, or hydrogen.

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SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route Of Entry Skin Contact Skin Absorption Eye Contact Inhalation Acute Inhalation Chronic Ingestion

Effects Of Acute Causes burns of mucous membranes, eyes, skin, mouth, and esophagus; nausea, vomiting, abdominal pain and diarrhea, edema (swelling) of larynx and subsequent suffocation.
Exposure To Product Perforation of gastrointestinal tract can occur.

Effects Of Chronic No known effects.

Exposure To Product

Irritancy Of Product N/AV

Exposure Limits Of Product N/AV

Sensitization To Product N/AV

Synergistic Materials N/AV

Carcinogenicity Reproductive Effects Teratogenicity Mutagenicity

No known systemic effects.

SECTION VII - PREVENTIVE MEASURES

Personal Protective Equipment

Gloves Rubber

Respiratory Dust mask

Eye Goggles

Footwear none special

Clothing None specific

Other

Engineering Controls Use with adequate ventilation.

Leak And Spill Procedure Sweep, scoop, or vacuum discharged material, flush residue with water.

Waste Disposal Neutralize with dilute acid. Dispose according to local provincial, and federal regulations.

Handling Procedures And Equipment

Storage Requirements Store in dry place where possible.

Special Shipping Information Not regulated.

SECTION VIII - FIRST AID MEASURES

Skin Flush skin with plenty of water for at least 15 minutes.

Eye Flush eyes with plenty of water for at least 15 minutes.

Inhalation Remove victim to fresh air.

Ingestion Call a physician. Do not induce vomiting, give large quantities of water.

General Advise

SECTION IX - PREPARATION DATE OF M.S.D.S.

Additional Information/Comments Crown Chemical Products Inc. assumes no responsibility by its issuance of this information.

Sources Used

Prepared By: Crown Chemical Products Inc. Phone Number (905) 564-0904 Date May 20, 2009