

MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet complies with the Canadian Controlled Products Act
NOTE: THE FOLLOWING INFORMATION PROVIDED IS FOR THE PRODUCT CONCENTRATE ONLY, NOT FOR USE-DILUTIONS

SECTION 1 – PRODUCT IDENTIFICATION								
PRODUCT IDENTIFIER: G	RUNT							
PRODUCT USE: He	eavy Duty Ca	ustic Cleaner						
Sı Er	elocity Cheminit #1, 9515- urrey, B.C. Vanergency Teacsimile: (604	4N-3S1 lephone: (604	In case of transporation emergency or product spill, contact: In Canada- CANUTEC @ 613-996-6666 (24 hrs.)					
SECTION 2 – HAZARDOUS INGREDIENTS								
HAZARDOUS INGREDIENTS	% (W/W)	CAS NUMBER	LD50	LC50	EXPOSURE LIMITS			
Sodium Hydroxide	15-30	1310-73-2	140-340 mg/kg (oral, rat) LDLo=500mg/kg (skin,rabbit)	Not available	OSHA(PEL) & ACGIH (TLV)= 2mg/m3(ceiling)			
1-aminopropan-2-ol	1-5	78-96-6	1715 mg/kg (oral, rat) 1640 ml/kg (skin, rabbit)	Not available	Not established			
Sodium Lauryl Ether Sulfate 1-5 9004-82-4		1600 mg/kg Not available (oral, rat)		Not established				
SECTION 3 – PHYSICAL DATA								

Physical state: liquid Solubility: soluble

Odour and Appearance: clear with a mild odor

pH (100%) @ 20°C: 14.0 Specific Gravity @ 20°C: 1.18

Odour Threshold (ppm): not established

Vapour Density: not determined
Vapour Pressure: not determined
Evaporation Rate: not determined
Boiling Point (°C): not determined
Freezing Point (°C): not determined

Coefficient of water/oil distribution: Greater than

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GRUNT

SECTION 4 – FIRE AND EXPLOSION DATA

Flammability: No, product is non-flammable.

If yes, under what condition: Not applicable.

Means of Extinction: Dry chemical, alcohol foam, CO₂, water spray. The product is not flammable. Use extinguishing media suitable for surrounding fires.

Special Fire Fighting Procedures: Wear NIOSH/OSHA approved, self contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

Explosion Data-

Sensitivity to impact: None

Sensitivity to static discharge: None

Flash Point (°C) and method: not applicable

Upper Flammable limit (% volume): not applicable Lower Flammable limit (% volume): not applicable

Autoignition temperature (°C): not applicable

Hazardous combustion products: may liberate carbon and nitrogen oxides, and other toxic organic fumes.

SECTION 5 - REACTIVITY DATA

Chemical Stability: yes, stable under normal storage conditions

If no, under what conditions:

Incompatibility with other substances: yes

If so, under what conditions: strong acids and oxidizers, chlorinated hydrocarbons, and reacts with sensitive metals such as zinc or aluminum to form flammable hydrogen gas.

Reactivity, and under what conditions: none known

Hazardous Decomposition Products: may liberate carbon and nitrogen oxides upon thermal decomposition.

SECTION 6 – TOXICOLOGICAL PROPERTIES

Primary route of entry: skin and eye contact, inhalation

Effects of Acute Exposure to Product: Product exposure can cause severe irritation or burns to skin and eyes. Inhaling mist or vapors can cause immediate irritation, burns and discomfort to respiratory system.

Effects of Chronic Exposure to Product: Prolonged exposure may cause skin dermatitis and respiratory disorder.

Exposure Limits: see Section 2 under Hazardous

Ingredients

Irritancy of Product: corrosive to skin, eyes and

respiratory system.

Sensitization: none known

Reproductive Toxicity: none known

Mutagenicity: none known

Carcinogenicity: none known Teratogenicity: none known

Synergistic Products: none known

SECTION 7 - PREVENTATIVE MEASURES

Respiratory Protection: Use a NIOSH/OSHA approved for alkaline mist/dust respirator if mists or vapors are

present.

Gloves: butyl or natural rubber, nitrile and neoprene **Eye Protection:** splash proof chemical goggles or face

shield

Footwear: rubber shoes

Clothing: long sleeve coveralls

Other: rubber apron

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SECTION 7 - PREVENTATIVE MEASURES (Cont.)

Engineering Controls: General ventilation for normal operating conditions or local exhaust for confined areas.

Leak and Spill Procedures: Wear protective equipment. Contain spill. Prevent runoff to drains or sewers. Recover material by vacuum. Reuse material if possible, or otherwise neutralize with soda ash before disposal. Dispose in accordance with local regulations.

Waste Disposal: Dispose of in accordance with local environmental regulations.

Handling Procedures and Equipment: Use good hygiene practices. Avoid contact with eyes, skin and clothing. Safety shower and eye wash station should be available in the immediate work area.

Storage Requirements: Store in a cool, dry place away from incompatibles. Do not mix with any other chemicals. Keep container closed when not in use. Keep from freezing and temperatures below 30°C.

Special Shipping Information:

WHMIS Classification: E

TDG Classification:

Corrosive Liquid, N.O.S. (Sodium Hydroxide and 1-aminopropan-2-ol Mixture), Class 8, UN 1760, P.G. II

Issue: 11/06/12

SECTION 8 - FIRST AID MEASURES

Inhalation: Remove victim to fresh air, apply artificial respiration if necessary. Seek medical help.

Ingestion: Give large amounts of water if conscious. Do not induce vomiting. Get medical help immediately.

Skin Contact: Wash thoroughly with water for 15 minutes. If irritation persist, seek medical attention.

Eye Contact: Flush immediately with water for 15-20 minutes. Seek medical help.

SECTION 9 - OTHER INFORMATION							
REVISIONS:	October 15, 2010	SUPERCEDES:	December 14, 2007				
PREPARED BY:	Technical Department (Customer Service phone number: 604-881-4700)						
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