

MATERIAL SAFETY DATA SHEET

ENERGIZE



PRODUCT INFORMATION

PRODUCT NAME: Energize Block Concentrate
GENERAL/GENERIC NAME:
PRODUCT USE: Mechanical Dishwashing Detergent
TDG HAZARD CLASSIFICATION: Corrosive Solid, Basic, Inorganic N.O.S. (Sodium Silicate)
Class 8 UN 3262 Packing Group III
WHMIS CLASSIFICATION: D2B, E
VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.
24 Ronson Drive, Unit 16
Etobicoke, Ontario M9W 1B4
CANUTEC 613-996-6666
24 HOUR EMERGENCY NO.

HAZARDOUS INGREDIENTS

INGREDIENT	%W/W	CAS.NO	TLV	LD50 / LC50
Sodium Carbonate	20 - 40	497-19-8	None	LD50 4000 mg/kg (oral/rat)
Sodium Metasilicate	20 - 40	6834-92-0	None	LD50 1280 mg/kg (oral/rat)

PHYSICAL DATA

PHYSICAL STATE: Solid
APPEARANCE AND ODOUR: White block
ODOUR THRESHOLD: ND
SPECIFIC GRAVITY: 1.68
VAPOUR PRESSURE: ND
VAPOUR DENSITY: ND
PH: (1%) 11.0
EVAPORATION RATE: ND
INITIAL BOILING POINT: ND
WATER SOLUBILITY: Complete
FREEZING POINT: ND

FIRE OR EXPLOSION HAZARD

FLASH POINT: ND
FLAMMABLE LIMITS: ND
AUTO-IGNITION TEMP: ND
EXTINGUISHING MEDIA: ND
SPECIAL FIREFIGHTING PROCEDURES:
EXPLOSION DATA: ND
HAZARDOUS COMBUSTION PRODUCTS:

REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: Acids
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Contact with acids will generate heat and oxides of carbon.

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TOXICOLOGICAL PROPERTIES

THRESHOLD LIMIT VALUE: ND
EFFECTS OF ACCUTE EXPOSURE:
SKIN CONTACT: Corrosive. May cause irritation.
EYE CONTACT: Corrosive. May cause damage if not treated promptly.
INHALATION: Corrosive. Breathing dust may cause irritation of the respiratory tract.
INGESTION: Corrosive. May cause irritation to digestive tract.
EFFECT OF CHRONIC EXPOSURE: Prolonged and repeated exposure to its dilutions may cause irritation, redness, pain, drying and cracking of skin.
IRRITANCY OF PRODUCT: Serious
CARCINOGENICITY: ND
SENSITIZATION TO MATERIAL: ND
REPRODUCTION TOXICITY: ND
TERATOGENICITY: ND
MUTAGENICITY: ND

PREVENTATIVE MEASURES

PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION: Not required under adequate ventilation.
VENTILATION: General ventilation adequate.
PROTECTIVE GLOVES: Rubber
EYE PROTECTION: Safety goggles
OTHER PROTECTIVE MEASURES: ND

SPILL OR LEAK PROCEDURES: Contain spills; absorb onto inert material.

WASTE DISPOSAL INFORMATION: Dispose of in accordance with local, provincial and federal regulations.

FIRST AID MEASURES

SKIN CONTACT: Wash with soap and water.
EYE CONTACT: Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.
INHALATION: Remove to fresh air.
INGESTION: DO NOT induce vomiting. Seek medical attention.

PREPARATION INFORMATION

DATE REVISED:	October 22, 2009	NA	Not Applicable
DATE PREPARED:	October 13, 2009	ND	No Data Available
PREPARED BY:	Lab Personnel	NE	None Established
PHONE:	(416) 744-2120	NR	Not Regulated

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