

SAFETY DATA SHEET

BREAK UP

SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: BREAK UP
 PRODUCT USE: All-purpose cleaner-degreaser.
 VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.
 9 City View Drive, Etobicoke, Ontario M9W 5A5
 24 HOUR EMERGENCY NO. 613-996-6666 (CANUTEC)

SECTION 2 – HAZARDS IDENTIFICATION

CLASSIFICATION

- SKIN CORROSION /IRRITATION Category 1, EYE DAMAGE IRRITATION Category 1

LABEL ELEMENTS



- SIGNAL WORD: DANGER
- HAZARD STATEMENT(S): CAUSES SKIN BURNS AND EYE DAMAGE (May cause damage to aquatic life).
- PRECAUTIONARY STATEMENTS: Wash skin thoroughly after handling. Wear chemical safety glasses and nitrile gloves. Do not mix with acids. Dispose of contents/ containers in accordance with local regulations.
- Response: - IF ON EYES: Wash with plenty of water. Get medical attention.

IF SWALLOWED: Immediately call a poison center or doctor. Rinse mouth.

IF ON SKIN: Wash with plenty of water. Get medical attention. Take off contaminated clothes and wash it before reuse.

SECTION 3 – COMPOSITION / INFORMATION INGREDIENTS

CHEMICAL NAME	%	CAS.NO
Sodium Silicate	1 - 5	1344-09-8
Potassium Hydroxide	1-5	1310-58-3
Glycol ether EB	1- 5	111-76-2
Sodium Naphthalene Sulfonate	1- 5	1321-69-3
Monoethanol Amine	1-5	141-43-5

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove source of exposure or move to fresh air. Call a poison centre or doctor.

Skin Contact: Take off immediately all contaminated clothing. Rinse skin with water or shower. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

Ingestion: Call a doctor immediately. Rinse mouth. Do not induce vomiting.

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Note to physician: Treat symptomatically, no specific antidote. See toxicological information (section 11)

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable Extinguishing Media: Use water spray, fog or foam.

Unsuitable Extinguishing Media: None known

Specific hazards arising from the product: Not flammable.

Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide and carbon monoxide.

Advice for fire-fighters: Not available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Wear suitable protective clothing. Wear eye/face protection.

Environmental precautions: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Methods and materials for containment and cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Keep in suitable, closed containers for disposal.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. Wash thoroughly after handling.

Storage Procedures: Keep containers closed when not in use. Do not store near acids. Store between the following temperatures: 5 to 40°C.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

CHEMICAL NAME	ACGIH TLV		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8 hour TWA	Short term TWA ©
Sodium Silicate	2 mg/m ³		Not available		Not available	
Monoethanol Amine	3 ppm		3 ppm		Not available	
Glycol Ether EB	20 ppm		Not available		Not available	
Potassium Hydroxide	2 mg/m ³		2mg/ m ³		2mg/ m ³	

ACGIH= American Conference of Governmental Industrial Hygienists. TLV = Threshold Limit Value. TWA = Time-weighted Average. STEL = Short-term Exposure Limit OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. AIHA = AIHA Guideline Foundation. WEEL = Workplace Environmental Exposure Limit.

Appropriate Engineering Control: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual Protection Measure:

Eye/Face Protection: Do not get into eyes. Wear chemical safety goggles.

Skin Protection: Personal protective equipment comprising: nitrile gloves, safety goggles and protective clothing.

Respiratory protection: Not required

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Inhalation: No special measures required. Treat symptomatically.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid, blue colour.
Odour:	Lime odour.
Odor Threshold:	Not available
Initial boiling point and boiling range	Not available
pH :	13 (100 %)
Melting Point:	Not available
Thermal decomposition:	Not available
Flash Point:	Not available
Evaporation Rate:	Not available
Flammability:	Not available
Explosive Limit:	Not available
Upper explosion limit:	Not available
Lower explosion limit:	Not available
Relative Density:	Approx. = 1 (Water = 1)
Viscosity:	Not available
VOC:	Not available
Solubility in water:	Soluble
Solubility in other solvents:	Not available
Partition coefficient: octanol/water	Not available
Molecular weight:	Not available
Oxidizing properties:	Not available

Auto ignition temperature **Not available** **SECTION 10 – STABILITY AND REACTIVITY**

STABILITY:	Stable
INCOMPATIBILITY:	Acids, oxidizing material, soft metals.
HAZARDOUS DECOMPOSITION PRODUCTS:	None
HAZARDOUS POLYMERIZATION:	Will not occur.
CONDITIONS TO AVOID:	Avoid contact with strong acids.

SECTION 11 – TOXICOLOGICAL INFORMATION

Chemical Name	LC50	LD50	LD50 (dermal)
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Sodium Silicate	2 mg mg/m ³	Not Available	Not Available
Monoethanol Amine	Not available	1,089 mg/kg (Rat)	Not available
Glycol ether EB	Not Available	>2000 mg/kg (guinea pig)	Not Available
Potassium Hydroxide	80 mg/l (daphnia)	273 mg/kg (rat)	ATE > 2000 mg/kg

Routes of exposure: Skin contact, Eye contact, Ingestion, Inhalation.

Eye contact: Causes serious eye damage.

Skin contact. Causes severe skin burns.

Ingestion: May cause burns to mouth, throat and stomach.

Inhalation: May cause nose, throat, and lung irritation.

Acute toxicity:

Eye contact: Causes eye redness, damage.

Skin contact: Causes burns. May cause an allergic skin reaction.

Inhalation: Respiratory irritation.

Ingestion: May cause burns to mouth, throat and stomach.

Germ cell mutagenicity: Not available

Carcinogenicity: Not available.

Reproductive toxicity: No evidence of reproductive toxicity or developmental toxicity.

STOT - single exposure irritating to respiratory system.

STOT - Not classified.

Aspiration hazard: Not classified.

SECTION 12 – ECOLOGICAL CONSIDERATION

Eco toxicity : This material may be harmful to aquatic life.

Bio accumulative potential Inorganic: The substance has no potential for bioaccumulation.

Mobility in soil: Not applicable.

Other adverse effects: Not known.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal: In accordance with federal, provincial or local government requirements.

SECTION 14 – TRANSPORT INFORMATION

TDG Classification: UN 3266 Corrosive Liquid, Basic, Inorganic N.O.S. (Potassium Hydroxide)
Class 8 Packing Group III

SECTION 15 – REGULATORY INFORMATION

Refer to section 2.

SECTION 16 – OTHER INFORMATION

EFFECTIVE DATE:

February 09, 2016: **Revision 1**

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