

ALKY

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SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: **ALKY**

Other means of identification : 13001

Recommended use of the chemical and restrictions on use

: Spill control
Recommended restrictions: None Known.

Chemical family : Mixture.

Name, address, and telephone number
of the supplier:

Safetec of America, Inc.

887 Kensington Avenue
Buffalo, NY, USA
14215

Supplier's Telephone # : (716) 895 1822

24 Hr. Emergency Tel # : 1-800-255-3924

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Light yellow granular powder. Odorless

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200 and Canadian WHMIS regulations (Hazardous Products Regulations) .

Hazard classification:

Serious eye damage/eye irritation - Category 2A

Label elements

Hazard pictogram(s)



Signal Word

WARNING!

Hazard statement(s)

Causes serious eye irritation.

Precautionary statement(s)

Wash hands thoroughly after handling.
Wear eye and face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing. If eye irritation persists: Get medical advice.

Other hazards

Other hazards which do not result in classification: Dust may irritate respiratory system.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS #	Concentration (% by weight)
Organic acid	2-Hydroxypropanetricarboxylic acid	77-92-9	35.0 - 65.0
Superabsorbent Polymer	N/Av	9033-79-8	35.0 - 65.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

- Ingestion* : If swallowed, DO NOT induce vomiting. If symptoms develop, seek medical attention.
- Inhalation* : If symptoms develop, move victim to fresh air. Get medical attention if symptoms persist.
- Skin contact* : Wash off with warm water and soap. Get medical attention if symptoms occur.
- Eye contact* : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

Most important symptoms and effects, both acute and delayed

- : Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis. Dust may irritate respiratory system. Symptoms may include upper respiratory irritation, coughing and breathing difficulties.

Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable extinguishing media* : Water. Dry chemicals. Foam. Carbon dioxide (CO₂).

- Unsuitable extinguishing media* : Do not use water jet as extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture / Conditions of flammability

- : Burning may produce irritating, toxic and obnoxious fumes.

Flammability classification (OSHA 29 CFR 1910.106)

- : Not flammable.

Hazardous combustion products

- : Carbon oxides. Nitrogen oxides (NO_x).

Special protective equipment and precautions for firefighters

- Protective equipment for fire-fighters* : Firefighters should wear proper protective equipment and self-contained breathing apparatus (SCBA) with full face piece operated in positive pressure mode.

- Special fire-fighting procedures* : Evacuate area and fight fire from a safe distance. Use water spray to keep containers cool.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- : Keep unnecessary personnel away. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. For personal protection, see section 8 of the SDS.

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Environmental precautions : Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

: Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal. Dispose in accordance with all applicable federal, provincial, state and local regulations.

Special spill response procedures

: If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the National Response Center in the United States (phone: 1-800-424-8802).

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Avoid breathing dust and fume. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Avoid dust formation. Use only with adequate ventilation. Wash hands thoroughly after handling.

Conditions for safe storage : Keep container tightly closed. Keep cool. Store away from incompatible materials.

Incompatible materials : Strong reducing agents

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
	<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
	Organic acid	N/Av	N/Av	N/Av
Superabsorbent Polymer	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

: Ensure adequate ventilation, especially in confined areas.

Respiratory protection

: Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Skin protection

: Chemical resistant gloves recommended. Advice should be sought from glove suppliers.

Eye / face protection

: Wear eye and face protection. Wear safety glasses with side shields (or goggles).

Other protective equipment

: Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health or safety professional or manufacturer for specific information.

General hygiene considerations

: Avoid breathing dust and fume. Wash hands thoroughly after handling. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Solid -granules

Colour : Light yellow.

Odour : Odorless.

Odour threshold : Not available.

pH : Not available.

Melting Point/Freezing point : Not available.

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: Not available.

Flash point : Not available.**Flashpoint (Method)** : Not available.**Evaporation rate (BuAe = 1)** : Not available.**Flammability** : Not applicable.**Lower explosion or flammability limit (% by vol.)**

: Not available.

Upper explosion or flammability limit (% by vol.)

: Not available.

Oxidizing properties : Not available.**Explosive properties** : Not available.**Vapour pressure** : Not available.**Relative vapour density** : Not available.**Relative density / Specific gravity**

: Not available.

Solubility in water : Slightly soluble.**Other solubility(ies)** : Not available.**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**

: Not available.

Auto-ignition temperature : Not available.**Decomposition temperature** : Not available.**Viscosity** : Not available.**Particle characteristics** : Not applicable.**Volatiles (% by weight)** : Not available.**Volatile organic Compounds (VOC's)**

: Not available.

Absolute pressure of container

: Not available.

Flame projection length : Not available.**Other physical/chemical comments**

: Not applicable

SECTION 10. STABILITY AND REACTIVITY**Reactivity** : This product is not reactive.**Chemical stability** : Stable under normal conditions.**Possibility of hazardous reactions**

: Hazardous polymerization does not occur.

Conditions to avoid : High humidity. High temperatures.**Incompatible materials** : Strong reducing agents**Hazardous decomposition products**

: Carbon oxides. Nitrogen oxides (NOx).

SECTION 11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure:****Routes of entry inhalation** : YES**Routes of entry skin & eye** : YES

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Routes of entry Ingestion : NO

Routes of exposure skin absorption
: NO

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

: Inhalation of dusts may cause respiratory irritation.

Sign and symptoms ingestion

: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin

: Direct skin contact may cause temporary redness.

Sign and symptoms eyes

: Causes serious eye irritation. Symptoms may include redness, pain, tearing and conjunctivitis.

Potential Chronic Health Effects

: Not applicable

Mutagenicity

: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive effects.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

Specific target organ effects

: This material is not classified as hazardous under U.S. OSHA regulations (29 CFR 1910.1200) and Canadian WHMIS regulations (Hazardous Products Regulations).

Medical conditions aggravated by overexposure

: Not applicable

Synergistic materials

: Not available.

Toxicological data

: There is no available data for the product itself, only for the ingredients. See below for individual ingredient acute toxicity data.

<u>Chemical name</u>	<u>LC₅₀(4hr)</u> <u>inh, rat</u>	<u>LD₅₀</u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Organic acid	N/Av	3000 mg/kg	> 2000 mg/kg (No mortality)
Superabsorbent Polymer	N/Av	N/Av	N/Av

Other important toxicological hazards

: Not applicable

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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Ecotoxicity data:

<u>Ingredients</u>	CAS #	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Organic acid	77-92-9	1516 mg/L (Bluegill sunfish)	N/Av	None.
Superabsorbent Polymer	9033-79-8	N/Av	N/Av	N/Av

<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Organic acid	77-92-9	1535 mg/L/24hr (Daphnia magna)	N/Av	None.
Superabsorbent Polymer	9033-79-8	N/Av	N/Av	N/Av

<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Organic acid	77-92-9	> 18 000 mg/L/96hr (Green algae)	N/Av	None.
Superabsorbent Polymer	9033-79-8	N/Av	N/Av	N/Av

Persistence and degradability

: No data is available on the product itself.

Bioaccumulation potential

: Not available. See the following data for ingredient information.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Superabsorbent Polymer (CAS 9033-79-8)	N/Av	N/Av
Organic acid (CAS 77-92-9)	- 1.72	3 (estimated)

Mobility in soil

: Not available.

Other Adverse Environmental effects

: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal

: Collect and reclaim or dispose in sealed containers at licensed waste disposal site.

Methods of Disposal

: Dispose in accordance with all applicable regulations.

RCRA

: Under the RCRA, it is the responsibility of the waste generator to determine the proper waste identification and disposal method. If these products, as supplied, become waste in the United States, they may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261.





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SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
49CFR/DOT	None.	Not regulated.	not regulated	none	
49CFR/DOT Additional information	None.				
ICAO/IATA	None.	Not regulated.	not regulated	none	
ICAO/IATA Additional information	None.				
IMDG	None.	Not regulated.	not regulated	none	
IMDG Additional information	None.				
TDG	None.	Not regulated.	not regulated	none	
TDG Additional information	None.				

Special precautions for user : None reported by the manufacturer.

Environmental hazards : This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de Minimis Concentration
Organic acid	77-92-9	Yes	None.	None.	No	N/Ap
Superabsorbent Polymer	9033-79-8	Yes	N/Ap	N/Av	No	N/Ap

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Eye irritation

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US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS #	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
Organic acid	77-92-9	No	N/Ap	No	No	No	No	No	No
Superabsorbent Polymer	9033-79-8	No	N/Ap	No	No	No	No	No	No

Canadian Information:

All ingredients are present on the DSL.

International Information:

Components listed below are present on the following International Inventory list:

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Organic acid	77-92-9	201-069-1	Present	Present	(2)-1318	KE-20831	Present	HSR003138
Superabsorbent Polymer	9033-79-8	No data available.	Present	Present	(6)-901	No data available.	Present	No data available.

SECTION 16. OTHER INFORMATION

Legend

: ACGIH: American Conference of Governmental Industrial Hygienists
 CAS: Chemical Abstract Services
 CEPA: Canadian Environmental Protection Act
 CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980
 CFR: Code of Federal Regulations
 DOT: Department of Transportation
 DSL: Domestic Substances List
 EPA: Environmental Protection Agency
 IARC: International Agency for Research on Cancer
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organisation
 IMDG: International Maritime Dangerous Goods
 LC: Lethal Concentration
 LD: Lethal Dose
 N/Ap: Not Applicable
 N/Av: Not Available
 NIOSH: National Institute of Occupational Safety and Health
 NOEC: No observable effect concentration
 NTP: National Toxicology Program
 OECD: Organisation for Economic Co-operation and Development
 OEL: National occupational exposure limits
 OSHA: Occupational Safety and Health Administration
 PEL: Permissible exposure limit
 SARA: Superfund Amendments and Reauthorization Act
 STEL: Short Term Exposure Limit
 TDG: Canadian Transportation of Dangerous Goods Act & Regulations
 TLV: Threshold Limit Values

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