

Material Safety Data Sheet

SECTION 1 - IDENTIFICATION OF PREPARATION

Product name: Liquid Sand

Application: Plant mineral supplement

Manufacturer Identification: Green Air Products, Inc.
PO Box 1410
Boring, OR 97009

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical composition: Potassium Silicate - 13.5-14.5% by volume	Chemical Information: CAS No.: 1312-76-1 , EINECS: 215-199-1 OSHA-PEL: none established ACGIH-TLV: none established NIOSH-REL: none established
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SECTION 3 - HAZARD IDENTIFICATION/HEALTH EFFECTS

Do not get in eye. Material will induce burning pain of the eyes, redness and tearing. Material may cause burning or itching in nose and throat if inhaled. Material may induce slight itching or burning on skin.

SWALLOWED:	May irritate esophagus and stomach if swallowed
EYE:	Causes eye irritation
SKIN:	Potential skin irritant
INHALED:	May cause irritation to upper respiratory track if inhaled
CARCINOGENICITY:	This material is not listed (IARC, NTP, OSHA) as a cancer causing agent.

SECTION 4 - FIRST AID MEASURES

SWALLOWED:	If swallowed , DO NOT induce vomiting. Get medical attention immediately. If victim is conscious, give a plenty of water to drink. Never give anything by mouth to an unconscious.
EYE:	If in eyes , immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation persists.
SKIN:	In on skin , flush with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists.
INHALED:	If inhaled , remove victim to fresh air. If not breathing, give artificial respiration. Get medical attention if any irritation and burning of the throat develops.
NOTE TO PHYSICIAN:	Treat symptomatically as indicated for exposure to alkaline substances. Asthma, lung diseases and skin conditions may be aggravated by exposure

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABILITY:	Non-flammable. Not a fire hazard.
EXTINGUISHING MEDIA:	Use media suitable to extinguish source of fire.
HAZARDOUS DECOMPOSITION MATERIALS:	Hydrogen gas

SECTION 6 - ACCIDENTAL RELEASE MEASURES

In case of accidental spill or release:	Spilled material will be slippery. Use sand, clay or earth (dirt) to contain spilled material; then sweep up and dispose of solid waste in accordance with State and local requirements. Do not allow spilled material to run off and contaminate storm sewers, ditches or natural waterways.
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SECTION 7 - HANDLING AND STORAGE

HANDLING:	Avoid contact with eyes, skin and clothing. Avoid breathing spray mist. Keep container closed. Wear eye protection when using this product.
STORAGE:	Keep container closed. Store only in original container and away from acids, reactive metals and ammonium salts. Storage out of direct sunlight and at temperatures above freezing. Storage temperature: 30-200°F (0-95°C).

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Ensure adequate ventilation when using this product.
PERSONAL PROTECTION:	Wear eye protection. Gloves recommended.

SECTION 9 - PHYSICAL/CHEMICAL PROPERTIES

APPEARANCE and ODOR:	Clear to hazy white liquid, with little to no odor.
AUTOIGNITION TEMPERATURE:	none
BOILING POINT:	>212°F (100°C)
EXPLOSION LIMITS:	n/a
FLASH POINT:	n/a
FREEZING POINT	32°F (0°C)
MELTING POINT:	n/a
pH:	11.5
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.065
VAPOR DENSITY:	not established
VAPOR PRESSURE:	not established

SECTION 10 - STABILITY AND REACTIVITY

STABILITY:	Stable
REACTIVITY:	Generate heat with mixed with acids. May react with ammonium salts resulting in ammonia gas. Flammable hydrogen gas may be generated upon contact with aluminum, tin, lead and zinc.

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

LD50 value for this product has not been established; however, based on composition and alkalinity (high pH), this product is regarded as a primary eye irritant and with potential to be an abrasive skin irritant.

SECTION 12 - ECOLOGICAL INFORMATION

AVOID CONTAMINATING WATERWAYS:

This product is not persistent in aquatic environments; however undiluted material is acutely harmful to aquatic life due to high pH. Diluted material rapidly depolymerizes to yield dissolved silica in a form that is indistinguishable from natural silica (sand).

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL:

Neutralize, and then landfill solids or flush liquid to sewer in accordance with Federal, State and local regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT Proper Shipping Name:

not regulated

IMDG class:

not regulated

DOT ID No:

not regulated

Packaging group:

not regulated

PLACARD:

none

LABEL:

none

SECTION 15 - REGULATORY INFORMATION

TSCA INVENTORY:

All ingredients exempt or listed on the TSCA inventory. No CERCLA reporting required.

OSHA FLOOR LIST:

No

SARA 313 / 40 CFR Part 372:

Not regulated under SARA Title III.

SECTION 16 - OTHER INFORMATION

Emergency telephone number:

1-800-669-2113 Mon-Fri, 7:30AM - 5:00PM PST

For immediate response during non-business hours, please contact your local poison control center for more information.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

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