



SAFETY DATA SHEET

Section 1: Identification

Product Name: TUNE

Chemical Name/Synonyms: Potassium silicate solution

Company:

DISTRIBUTOR INFORMATION:

Remix Chem, LLC
2202 S Figueroa St. #528
Los Angeles, CA 90007
www.remixchem.com

CHEMTREC EMERGENCY INFORMATION:

For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC 24 Hours
1-800-262-8200 / +1 703-741-5500
CCN: 1002199

Section 2: Hazard(s) Identification

Hazard Classification:

Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2

Signal Word(s): Warning

Pictograms:



Hazard Statements:

H314 Causes skin irritation
H319 Causes serious eye irritation

Precautionary Statements:

P264 Wash hands/exposed skin thoroughly after handling.
P280 Wash gloves/goggles/other PPE thoroughly after handling.



P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.

Description of other hazards: Dries to form glass film, which can cut skin. Spilled material is very slippery. Can etch glass if not promptly removed

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
Potassium Silicate	Silicic Acid, potassium salt	1312-76-1	5-10%
Water	H2O	7732-18-5	90-95%

Section 4: First-Aid Measures

After skin contact:	Rinse skin with lukewarm gently flowing water. If symptoms persist seek medical attention
After eye contact:	Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face.
After inhalation:	Get medical advice if you feel unwell or are concerned.
After swallowing:	Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents:	Water spray, Foam carbon dioxide (CO2), Dry powder,
Unsuitable extinguishing agents:	None known
Special hazards arising from the substance:	Aqueous solution, non-combustible
Hazardous Combustion Products:	None known

Special protective equipment for firefighters:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

NFPA

Health: 1
Flammability: 0
Instability: 0
Physical Hazards: Alkaline

Section 6: Accidental Release Measures

Personal precautions: Ensure adequate ventilation. Especially in confined areas. Do not breathe vapors, aerosols. Avoid substance contact. Wear protective gloves/protective clothing and eye/face protective gear when handling.

Measures for environmental protection: Prevent product from entering drains.

Measures for cleaning/collecting: Residues from spills can be diluted with water. Spillages may be slippery

Section 7: Handling and Storage

Handling: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Storage: Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Do not store in aluminum, fiberglass, copper, brass, zinc or galvanized containers.

Incompatible Materials: Avoid strong oxidizing agents, soft metals, acids, and heat.

Section 8: Exposure Controls/Personal Protection

General protective and hygienic measures: Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

Breathing equipment: Not a respiratory irritant unless dealing with a mist form, then wear appropriate NIOSH respirator.

Skin and Body Protection: Wear chemical resistant gloves and chemical resistant

Eye protection:

garments when handling, wash garments before re-use.
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses and or face shield.

Control of environmental exposure:

Do not allow to enter drains/surface water

Section 9: Physical and Chemical Properties

Form:	Liquid
Color:	Clear
Odor:	Odorless
Odor threshold:	No data available
pH:	11-12
Melting point/melting range:	No information available
Boiling point/boiling range:	No information available
Flash point:	N/A
Evaporation rate:	N/A
Flammability (solid,gas):	N/A
Upper/lower flammability or explosive limits:	N/A
Auto ignition temperature:	N/A
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	No data available
Solubility in/Miscibility with water:	Miscible
Partition Coefficient n/octanol-water	N/A

Section 10: Stability and Reactivity

Reactivity:	See "Possibility of Hazardous Reactions"
Chemical stability:	This product is chemically stable under ambient conditions.
Possibility of Hazardous Reactions:	When arc welding vessels containing aqueous solutions of this material, take care to control any explosion risk from hydrogen evolved by electrolysis. Aqueous solutions will react with aluminum, zinc, tin and their alloys evolving hydrogen gas which can form an explosive mixture with air. Can react violently if in contact with acids. Can react with sugar residues to form carbon monoxide.
Conditions to avoid:	Gels and generates heat when mixed with acid. May react with ammonium salts resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc.
Incompatible materials:	Avoid acids or strong oxidizers when using or storing this product.
Hazardous decomposition products:	

Section 11: Toxicological Information

Potential routes of exposure/potential health effects

Oral LD50: See below
Dermal LD50: Based on ATE data, the classification criteria are not met. ATE > 5000 mg/kg
Vapor LC50: Based on ATE data, the classification criteria are not met. ATE > 20 mg

Component	LD50 (Oral)	LD50 (Dermal)	LD50 (Inhalation)
Potassium silicate	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	>2.06 g/m ³ (rat)

Toxicologically Synergistic Products: No data available

Skin: Will cause skin irritation, alkaline

Eye: Corrosive! Causes irritation of eyes, and with greater exposures, it can cause burns that may result in permanent impairment of vision, even blindness.

Inhalation: Inhalation of the mist may produce irritation of the respiratory tract

Ingestion: All symptoms of acute toxicity are due to high alkalinity.

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.

Mutagenicity: Not known to have mutagenic effects in humans or animals.

Reproductive Effects: No known reproductive effects in humans or animals.

Specific target organ effects: No information available

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: Fish (Leuciscus idus) LC50 (48 hour) >146 mg/l
 Aquatic invertebrates: (Daphnia magna) EC50 (24 hour) >146 mg/l

Persistence/degradability: Inorganic. Soluble silicates, upon dilution, rapidly depolymerise into molecular species indistinguishable from natural dissolved silica.

Bioaccumulation potential: Not expected to bioaccumulate

Section 13: Disposal Considerations (non-mandatory)

Disposal of Waste: Disposal should be in accordance with applicable, regional, national and local laws and regulations. Contact a licensed professional waste disposal service to dispose of this material.

RCRA: If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of:
 Corrosivity D002

Section 14: Transport Information (non-mandatory)

DOT:
 Not classified as hazardous material



Air transport ICAO-TI and IATA-DGR:
Not classified as hazardous material

IMDG
Not classified as hazardous material

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Section 355 (extremely hazardous substances):

Section 355 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the act and Title 40 of the Code of Federal Regulations, Part 372

SARA Section 313 (specific toxic chemical listings):

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories:

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

CWA:

This product as supplied does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA:

California Proposition 65:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm

International Information:



Section 16: Other Information

SDS date of preparation: 11/14/2022

SDS date of update: 11/14/2022

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Remix Chemical and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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