

SAFETY DATA SHEET



Certified to
NSF/ANSI/CAN 60

MUL = 250 mg/L

Revision date 10-Oct-2023

Revision Number 2

1. Identification

Product identifier

Product Name AlcoPAS® 1000

Other means of identification

Product Code(s) 3252R

UN number or ID number UN3264

Synonyms Inorganic metal salt coagulant/flocculant in aqueous solution, Aluminum hydroxide sulfate

Recommended use of the chemical and restrictions on use

Recommended use Coagulating and Flocculating agent

Restrictions on use No information available None known

Details of the supplier of the safety data sheet

Supplier Address

G2O Technologies LLC
1 Riverside Way,
Phillipsburg, NJ 08865
+1-800-453-2586 Hours: Monday-Friday
9:00-5:00 CST (Central Standard Time)

Manufacturer Address

USALCO, LLC
2601 Cannery Ave.
Baltimore, MD 21226

Contact Point

sds@usalco.com

Emergency Telephone

CHEMTREC: (800) 424-9300
Outside USA - +1 (703) 527-3887 collect calls accepted

2. Hazard(s) identification

Classification

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Corrosive to metals	Category 1

Hazards not otherwise classified (HNOC)

Not applicable

Label elements**WARNING****Hazard statements**

Causes skin irritation
Causes serious eye irritation
May be corrosive to metals

**Appearance** Clear to slightly hazy**Physical state** Liquid**Odor** Not determined Odorless**Precautionary Statements - Prevention**

Keep only in original packaging.
Wash hands, face and any exposed skin thoroughly after handling. Do not touch eyes.
Wear protective gloves/protective clothing/eye protection/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 occurs: Get medical help.
IF ON SKIN: Wash with plenty of water for several minutes.
If skin irritation occurs: Get medical help.
Take off contaminated clothing and wash before reuse
Absorb spillage to prevent material damage.

Precautionary Statements - Storage

Store in corrosive resistant container with a resistant inner liner.

Other information

May be harmful if swallowed.

3. Composition/information on ingredients**Substance**

Synonyms Inorganic metal salt coagulant/flocculant in aqueous solution, Aluminum hydroxide sulfate.

Chemical name	CAS No	Weight-%	Trade secret
Trade secret	Trade secret	20 - 30	*
Trade secret	Trade secret	1 - 10%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret. While some components are claimed as trade secret in accordance with the provision of OSHA 29 CFR 1910.1200(i), all known hazards are clearly communicated within this document.

4. First-aid measures**Description of first aid measures****Inhalation**

If inhaled, remove to fresh air. Break an amyl nitrate pearl in a cloth and hold under nose for 15 seconds. Repeat five times at 15 minute intervals. If not breathing (trained personnel should) give artificial respiration. Get immediate medical attention. If inhaled, remove to

fresh air. If not breathing (trained personnel should) give artificial respiration, preferably mouth-to-mouth. If breathing is difficult (trained personnel should) give oxygen. Get medical attention. Call a physician immediately.

Eye contact

None known. In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists. Get medical attention if irritation develops and persists.

Skin contact

None known. In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. If skin irritation occurs: Get medical advice/attention.

Ingestion

Seek medical attention immediately. Give large amounts of water to drink. If vomiting should occur spontaneously, keep airway clear. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed**Symptoms**

Possible eye, skin and respiratory tract irritation. May aggravate existing skin, eye, and lung conditions. Persons with kidney disorders have an increased risk from exposure based on general information found on aluminum salts.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

None known. This material contains a component which requires an alcohol solvent to remove from skin and eyes. Treat symptomatically.

5. Fire-fighting measures**Suitable Extinguishing Media****Large Fire**

Water Spray, Carbon Dioxide, Foam, Dry Chemical.

CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media

No information available.

Specific hazards arising from the chemical

May produce hazardous fumes or hazardous decomposition products.

Explosion data**Sensitivity to mechanical impact**

None.

Sensitivity to static discharge

None.

Special protective equipment for fire-fighters

Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Wear adequate personal protective clothing and equipment. Approved breathing apparatus may be necessary.

Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so. Build dikes as necessary to contain flow of large spills.

Methods for cleaning up

Clear spills immediately. For small spills, use soda ash to neutralize, an inert material to

absorb, or wash product to a chemical sewer. Place contaminated materials into containers and store in a safe place to await proper disposal. Caution: Use of soda ash may generate carbon dioxide gas. Provide adequate ventilation to spill area.

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Keep container closed when not in use. Keep away from heat and open flame. Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, gloves, and protective clothing when handling. Wash thoroughly after handling. Avoid breathing vapors or mists. Use with adequate ventilation and employ respiratory protection where mist or spray may be generated. FOR INDUSTRIAL USE ONLY.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed when not in use. Store in a cool, dry place away from direct heat. Do not store in unlined metal containers. Product may slowly corrode iron, brass, copper, aluminum, mild steel, and stainless steel.

8. Exposure controls/personal protection

Control parameters

Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Trade secret	TWA: 1 mg/m ³ respirable particulate matter	-	-

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls

Use engineering controls as per code of federal regulations, labor part 1910.94. Exhaust ventilation. Not determined. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

Individual protection measures, such as personal protective equipment

Eye/face protection

None known. Wear safety glasses or goggles to protect against exposure. Safety glasses. Safety glasses (with side shields). Face shield. Wear chemical splash goggles and face shield (when eye and face contact is possible due to splashing or spraying of material).

Hand protection

None known. Rubber gloves. Appropriate chemical resistant gloves should be worn. Oil-resistant gloves.

Skin and body protection

Not determined. Standard work clothing and work shoes.

Respiratory protection

Use only in well-ventilated areas. Use NIOSH approved dust respirator. None known. If exposures exceed the PEL or TLV, use NIOSH/MSHA approved respirator in accordance with OSHA Respiratory Protection Requirements under 29 CFR 1910.134. If there are no applicable or established exposure limit requirements or guidelines, general ventilation should be sufficient.

General hygiene considerations Take off contaminated clothing and wash before reuse.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear to slightly hazy
Color	Colorless to yellow
Odor	Not determined Odorless
Odor threshold	No information available

Property	Values	Remarks • Method
pH	2.5 - 4.5	As is
Melting point / freezing point	-9.4 - -6.7 °C (15 - 20 °F)	No information available
Boiling point / boiling range	No information available	No data available
Flash point	Not applicable	No data available
Evaporation rate	No information available	No data available
Flammability (solid, gas)	Not applicable	No data available
Flammability Limit in Air		No information available
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	No information available
Relative vapor density	No data available	No information available
Relative density	1.285 - 1.300	None known
Water solubility	No data available	Soluble below pH 4
Solubility(ies)	No information available	No information available
Partition coefficient	No data available	None known
Autoignition temperature	Not applicable	No data available
Decomposition temperature	No information available	-
Kinematic viscosity	No data available	No information available
Dynamic viscosity	10 - 25 cps	No information available
Other information		
Explosive properties	No information available	
Oxidizing properties	No information available	
Softening point	No information available	
Molecular weight	No information available	
VOC Content (%)	No information available	
Liquid Density	10.65 - 10.82 lbs./gal.	
Bulk density	No information available	

10. Stability and reactivity

Reactivity	No data available.
Chemical stability	Stable. Stable when stored between 45-55°C. Not determined. Stable under normal conditions of handling, use and transportation.
Possibility of hazardous reactions	None under normal processing.
Hazardous polymerization	None anticipated. Hazardous polymerization may occur. May occur if the product is mixed with acidic materials. Not anticipated under normal or recommended handling and storage conditions.
Conditions to avoid	Not determined. Keep away from any contact with water. None known.

Incompatible materials Alkalis.

Hazardous decomposition products Thermal decomposition may release toxic and/or hazardous aluminum and sulfur oxides.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Inhalation of mist or vapor may cause respiratory tract irritation.
Eye contact	May cause moderate eye irritation that can become severe with prolonged contact. Prolonged exposure to Aluminum salts may cause conjunctivitis.
Skin contact	Prolonged and/or repeated contact may cause skin irritation.
Ingestion	May cause irritation of the mouth, throat and stomach. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Acute toxicity

Numerical measures of toxicity

No information available

ATEmix (oral) 12060 mg/kg

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Irritating to skin.

Serious eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH, or OSHA.

Reproductive toxicity No information available.

Developmental toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

Ecotoxicity	The environmental impact of this product has not been fully investigated.
Persistence and degradability	Not determined. No information available.
Bioaccumulation	No information available.
Mobility	Not determined. No information available.
Other adverse effects	No information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with federal, state and local regulations. Federal, state and local disposal laws and regulations will determine the proper waste disposal/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected. Dispose of product in an approved chemical waste landfill or incinerate in accordance with applicable Federal, state and local regulations.
Contaminated packaging	Since empty containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

UN number or ID number	Regulated UN3264
Proper shipping name	Corrosive liquid, acidic, inorganic, N.O.S. (Aluminum hydroxide sulfate)
Transport hazard class(es)	8
Packing group	III
Emergency Response Guide Number	154

TDG

UN number or ID number	Regulated UN3264
UN proper shipping name	Corrosive liquid, acidic, inorganic, N.O.S. (Aluminum hydroxide sulfate)
Transport hazard class(es)	8
Packing group	III

Technical Name

Description Aluminum hydroxide sulfate

IATA

UN number or ID number	Regulated UN3264
UN proper shipping name	Corrosive liquid, acidic, inorganic, N.O.S. (Aluminum hydroxide sulfate)
Transport hazard class(es)	8
Packing group	III
ERG Code	8L

IMDG

UN number or ID number	Regulated UN3264
UN proper shipping name	Corrosive liquid, acidic, inorganic, N.O.S. (Aluminum hydroxide sulfate)

Transport hazard class(es)	8
Packing group	III
EmS-No	F-A; S-B

15. Regulatory information

International Inventories

TSCA Contact supplier for inventory compliance status.

Chemical name	CAS No	US TSCA Inventory listing	US TSCA inactive/active designation
Water	7732-18-5	Present	Active
Trade secret	-	Present	Active
Trade secret	-	Present	Active

DSL/NDSL

All ingredients are on the DSL inventory or exempt from listing. None of the ingredients are on the NDSL inventory.

EINECS/ELINCS

All ingredients are on the EINECS inventory or are exempt from listing. None of the ingredients are on the ELINCS inventory.

ENCS

All ingredients are on the inventory or exempt from listing.

IECSC

All ingredients are on the inventory or exempt from listing.

KECL

All ingredients are on the inventory or exempt from listing.

PICCS

All ingredients are on the inventory or exempt from listing.

AICS

Some ingredients are not on the inventory.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

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

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

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

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

NFPA	Health hazards 2	Flammability 0	Instability 0	Special hazards
HMIS	Health hazards 2	Flammability 0	Physical hazards 0	Personal protection B

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision date 10-Oct-2023

Revision Note No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet