

Safety Data Sheet

ASSURE DISINFECTANT

Section 1: Identification

GHS product identifier

Product name: ALEVA A ASSURE

Product Code: 1

Recommended uses and uses advised against

Recommended use:

For use as a liquid disinfectant/virucide*. (*See full product label)

Uses not recommended:

Not to be used for indications for which this product is not labeled.

Supplier details

Aleva Chemical, Inc.
1792 Latham St.
Memphis, TN 38106Telephone (general)
Website:(888)504-8178
alevachem.com

Emergency telephone number

Infotrac: (800) 535-5053

Section 2: Hazard identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

OSHA HCS 2012

Mild Irritant (Skin)

Label Elements

OSHA HCS 2012

Warning

Hazard Statements

H316 Causes mild skin irritation.

Precautionary Statements

Prevention

Response

P332 + P313 If skin irritation occurs: Get medical advice/attention.

Storage/Disposal

Other hazards

OSHA HCS 2012

No data available.

Other information

NFPA



Section 3: Composition/Information on Ingredients

Substances

Material does not meet the criteria of a substance.

Active Ingredients

Quaternary ammonium compounds [CAS No. Not Listed] .07% - .08%

See section 11 for toxicological information.

Section 4: First-Aid Measures

Description of first aid measures

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Skin:

Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

Eye:

Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.

Ingestion:

Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed

Refer to section 11 - Toxicological Information.

Indication of any immediate medical attention and special treatment needed:

All treatments should be based on observed signs and symptoms of distress in the patient.

Section 5: Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

Extinguish fires with CO₂, extinguishing powder, foam, or water.

Unsuitable extinguishing media:

None

Special hazards arising from the substance or mixture

Unusual fire and explosion hazards:

Combustible liquid. May generate flammable vapors. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

Hazardous combustion products:

Formation of toxic gases is possible during heating or fire.

Advice for firefighters

In use, may form flammable/explosive vapour-air mixture. During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus. Dike and collect water used to fight fire.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions:

Ensure adequate ventilation. Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Emergency procedures:

As an immediate precautionary measure, isolate spill or leak for at least 50 meters.

Environmental precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Methods and material for containment and clean-up

Contain the source of the spill if it is safe to do so. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Collect wash with a noncombustible absorbent material and transfer to labeled container for treatment and disposal. **LARGE SPILLS:** Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Use water spray to disperse vapors and dilute spill to a nonflammable mixture. Collect spill with a non-combustible absorbent material and transfer to labeled container for disposal. Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.

Section 7: Handling and Storage

Precautions for safe handling

Handling:

Combustible liquid. Keep away from heat, sparks, flame and all other sources of ignition. Ground and bond all bulk transfer equipment. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Prevent environmental releases. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

Conditions for safe storage, including any incompatibilities

Storage:

Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame, and other sources of ignition. Protect from direct heat and sunlight.

Incompatible materials or ignition sources:

Material data lacking

Section 8: Exposure Controls/Personal Protection

Control parameters

Component	Result	Exposure Limits/Guidelines		
		NIOSH	ACGIH	Canada Ontario
Quaternary ammonium compounds CAS No. Not Listed	STELs	Data lacking	Data lacking	Data lacking
	TWAs	Data lacking	0.1 mg/m3	Data lacking
	STELs			
	TWAs			

Exposure controls

Engineering measures and controls:

Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

Incompatible materials or ignition sources:

Pictograms:



Respiratory:

Not required.

Eye and face:

Protective eye and face equipment not required.

Hands:

Must wear chemical protective gloves when handling concentrated product.

Skin and body:

Chemical protective clothing not required but may be employed if desired.

General industrial hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling.

Environmental exposure controls:

Follow best practice for site management and disposal of waste. Avoid release to the environment.

Key to Abbreviations

ACGIH= American Conference of Governmental Industrial Hygiene
OSHA =Occupational Safety and Health Administration
MSHA = Mine Safety and Health Administration

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures NIOSH= National Institute of Occupational Safety and Health
STEV = Short Term Exposure Value

STEL = Short Term Exposure Limits are based on 15-minute exposures

Section 9: Physical and Chemical Properties

Information on physical and chemical properties

Material Description				
Physical Form	Liquid		Appearance/Description	Thin liquid
Color	Blue/Purple		Odor	Bright fragrance
Taste	Data lacking		Particulate Type	Not relevant
Particulate Size	Not relevant		Aerosol Type	Not relevant
Odor Threshold	Data lacking		Physical and Chemical Properties	Data lacking
General Properties				
Boiling Point	> 255		Melting Point	Data lacking
Decomposition Temperature	Data lacking		Heat of Decomposition	Data lacking
pH	7		Specific Gravity/Relative Density	Water = 1
Density	Data lacking		Bulk Density	Data lacking
Water Solubility	Soluble in water		Solvent Solubility	Data lacking
Viscosity	Data lacking		Explosive Properties	Classification criteria not met
Oxidizing Properties:	Data lacking			
Volatility				
Vapor Pressure	Data lacking		Vapor Density	Data lacking
Evaporation Rate	Water = 1		VOC (Wt.)	Data lacking
VOC (Vol.)	Data lacking		Volatiles (Wt.)	Data lacking
Volatiles (Vol.)	Data lacking			
Flammability				
Flash Point	Data lacking		UEL	Data lacking
LEL	Data lacking		Autoignition	Data lacking
Self-Accelerating Decomposition Temperature (SADT)	Data lacking		Heat of Combustion (ΔHc)	Not applicable
Burning Time	Not applicable		Flame Duration	Not applicable
Flame Height	Not applicable		Flame Extension	Not applicable
Ignition Distance	Not applicable		Flammability (solid, gas)	Not applicable
Environmental				
Half-Life	Data lacking		Octanol/Water Partition coefficient	Data lacking
Coefficient of water/oil distribution	Data lacking		Bioaccumulation Factor	Data lacking
Bioconcentration Factor	Data lacking		Biochemical Oxygen Demand BOD/BOD5	Data lacking
Chemical Oxygen Demand	Data lacking		Persistence	Data lacking
Degradation	Data lacking			

Section 10: Stability and Reactivity

Reactivity

No potentially dangerous reactions.

Chemical stability

Stable at normal conditions

Possible hazardous reactions

Material data lacking.

Conditions to avoid

Incompatible materials

Keep away from heat, spark, flames and all other sources of ignition. Fine particles (such as dusts, mists and vapors) may fuel fires/explosions.

Hazardous decomposition products

Material data lacking

Material data lacking.

Section 11: Toxicological Information

Information on toxicological effects

Component	CAS No.	Data
Quaternary ammonium compounds	Not Listed	Rat Oral LD50 426 mg/kg Rat Sub-tenon injection (eye) LD50 100mg/kg Rat Inhalation 0.054-0.51mg/L Skin Irritation: Rabbit: Corrosive Bacterial Mutagenicity (Ames) Salmonella Negative; In Vitro Chromosome Aberration Chinese Hamster Ovary (CHO) cells Positive; In Vivo Micronucleus Mouse Bone Marrow Positive; In Vitro Sister Chromatid Exchange Chinese Hamster Ovary (CHO) cells Negative

Target organs

No data available.

Routes of entry and/or exposure

No data available.

Potential health effects

Inhalation

Acute (immediate):

May be harmful if inhaled. May cause respiratory tract and mucous membrane irritation.

Chronic (delayed):

No data available.

Skin

Acute (immediate):

No data available.

Chronic (delayed):

No data available.

Ingestion

Acute (immediate):

May be harmful if swallowed

Chronic (delayed):

No data available.

Eye

Acute (immediate):

No data available.

Chronic (delayed):

No data available.

Section 12: Ecological Information

Toxicity

Material data lacking.

Persistence and degradability

Material data lacking.

Bioaccumulative potential

Material data lacking.

Mobility in soil

Material data lacking.

Other adverse effects

No studies have been found.

Other information

No additional information available.

Section 13: Disposal Considerations

Waste treatment methods

Product waste

Dispose of waste in accordance with all applicable laws and regulations. Member State

specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

Packaging waste

Dispose of packaging in a ccordance with federal, state and local regulations.

Section 14: Transport Information

Special precautions for user

Transport containers shall be physically secured to the transporting vehicle to prevent accidental loss, tampering, or unauthorized removal.

Transport in bulk according to annex II of MARPOL 73/78 and the IBC code

Section 15: Regulatory Information

Safety, health and environmental regulations specific to substance or mixture

SARA hazard classifications:

Section 16: Other Information

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07/12/21

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07/12/21

Disclaimer and statement of liability:

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.