

Section 1

Chemical Product and Company Information

Innovating Science®
by Aldon Corporation
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CHEMTREC 24 Hour Emergency
Phone Number (800) 424-9300
For laboratory use only.
Not for drug, food or household use.

Product	RHEOSCOPIC FLUID
Synonyms	None
Section 2	
Hazards Identification	

The dilution of this chemical has not been classified as a hazardous chemical according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals.

Signal word: WARNING
Pictograms: GHS07
Target organs: None known

GHS Classification:
Skin irritation (Category 3)
Eye irritation (Category 2B)
STOT-SE (Category 3)

GHS Label information: Hazard statement:
H316: Causes mild skin irritation.
H320: Causes eye irritation.
H335: May cause respiratory irritation.

Precautionary statement:
P261: Avoid breathing mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P272: Use only outdoors or in a well-ventilated area.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER or doctor if you feel unwell.
P332+P313: If skin irritation occurs: Get medical attention.
P337+P313: If eye irritation persists: Get medical attention.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.



Section 3	
Composition / Information on Ingredients	
Chemical Name	Water Anionic/ester blend Germaben II Sodium chloride
CAS #	7732-18-5 Mixture 7647-14-5 Mixture
%	98.6% 0.8% 0.5% 0.1%
EINECS	231-791-2 Mixture 231-598-3 Mixture

Section 4
First Aid Measures

INGESTION: MAY BE HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5
Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, water spray.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Section 6
Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 Exposure Controls / Personal Protection			
Exposure Limits:		Chemical Name	
Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low. Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.		Particles not otherwise classified	
Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.		ACGIH (TLV)	Not established
Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.		OSHA (PEL)	TLVA: 5 mg/m ³ respirable fraction
Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.		NIOSH (REL)	Not established

Section 9 Physical & Chemical Properties			
Appearance: Liquid. Thick, white pearlescent		Evaporation rate (Water = 1): <1	
Odor: No odor.		Flammability (solid/gas): Data not available.	
Odor threshold: Data not available.		Explosion limits: Lower / Upper: Data not available.	
pH: Data not available.		Vapor pressure (mm Hg): 14 (water)	
Melting / Freezing point: Approximately 0°C (32°F) (water)		Vapor density (Air = 1): 0.7 (water)	
Boiling point: Approximately 100°C (212°F) (water)		Relative density (Specific gravity): Approximately 1.0 (water)	
Flash point: Data not available		Solubility(ies): Complete in water.	
Stability & Reactivity		Molecular weight: Mixture	
Stability & Reactivity		Molecular formula: Mixture	
Stability & Reactivity		Viscosity: Data not available.	
Stability & Reactivity		Auto-ignition temperature: Data not available	
Stability & Reactivity		Decomposition temperature: Data not available.	
Stability & Reactivity		Partition coefficient: Data not available	
Stability & Reactivity		Hazardous polymerization: Will not occur.	
Stability & Reactivity		Chemical stability: Stable	
Stability & Reactivity		Conditions to avoid: Excessive temperatures which cause evaporation.	
Stability & Reactivity		Incompatible materials: Strong oxidizers, acids.	
Stability & Reactivity		Hazardous decomposition products: Oxides of sulfur.	

Section 11 Toxicological Information	
Acute toxicity: Oral-rat LD50: 72 mg/kg [Ethylene oxide] ; Inhalation-rat LC50: 0.48 mg/L/4hours [Formaldehyde]	
Skin corrosion/irritation: Data not available	
Serious eye damage/irritation: Data not available	
Respiratory or skin sensitization: Data not available	
Germ cell mutagenicity: Data not available	
Carcinogenicity: Data not available	
NTP: This product contains a chemical(s) known to be a human carcinogen [Formaldehyde / Ethylene oxide / 1,4-Dioxane].	
IARC classified: Group 1: Carcinogenic to humans [Formaldehyde/ Ethylene oxide]. Group 2B: Possibly carcinogenic to humans [1,4-Dioxane].	
OSHA: This product contains a chemical known to cause cancer [Formaldehyde/ Ethylene oxide].	
Reproductive toxicity: Data not available	
STOT-single exposure: Data not available	
STOT-repeated exposure: Data not available	
Aspiration hazard: Data not available	
Potential health effects:	
Inhalation: Inhalation of vapors or mists may be irritating to the respiratory system.	
Ingestion: Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.	
Skin: Contact with skin may cause irritation.	
Eyes: Contact with eyes may cause irritation.	
Signs and symptoms of exposure: To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.	
Additional information: RTECS #: None assigned	

Section 12 Ecological Information	
Toxicity to fish: No data available	
Toxicity to daphnia and other aquatic invertebrates: EC50 Water flea (Ceriodaphnia dubia): 2.43 - 4.01 mg/l 48 hours [Antionic/ester blend]	
Toxicity to algae: No data available	
Persistence and degradability: No data available	
Mobility in soil: No data available	
Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.	
Section 13 Disposal Considerations	
These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.	
Section 14 Transport Information (US DOT / CANADA TDG)	
UN/NA number: Not applicable	
Hazard class: Not applicable	
Shipping name: Not Regulated	
Packing group: Not applicable	
Reportable Quantity: No	
Marine pollutant: No	
Section 15 Regulatory Information	
Exceptions: Not applicable	
2012 ERG Guide # Not applicable	
Section 16 Additional Information	
A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.	
Component	TSCA
1,4-Dioxane (Contains <0.8%)	Listed
Formaldehyde (Contains <0.8%)	Listed
Ethylene oxide (Contains <0.8%)	Listed
100 lbs (45.4 kg)	100 lbs (4.54 kg)
U108	U122
U115	Listed
DSL	Listed
NDSL	Not listed
WHMIS Classification	A: B1; D1A; D2A; E: F
	B2: D2A; D2B

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.

Revision Date: May 8, 2014

Supersedes: September 9, 2013