

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION 1

Product Name: Winter Guard Anti Freeze
Product ID: 5990
Synonyms: Calcium Chloride Solution
Revised Date: 07-28-2017
Type of Product and Use: Anti freeze for swimming pool plastic plumbing
Supplier: Univar
3075 Highland Parkway, STE 200
Downers Grove, IL 60515
424-889-3400
Emergency Telephone: CHEMTREC 1-800-424-9300
Packaged By: Baleco Int'l Inc.
PO Box 11331
Cincinnati, OH 45211
513-353-3000

SECTION 2 HAZARDS IDENTIFICATION 2

Hazard classification

Health hazards

Acute toxicity (Oral): Category 4
Serious eye damage/eye irritation: Category 2A

Environmental hazards Acute

Hazards to the aquatic environment: Category 3

Label elements

Hazard symbol



Signal Word

Warning

Hazard statement

Harmful if swallowed.
Causes serious eye irritation.

Precautionary statements

Prevention

Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

Response

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. Rinse mouth.

Disposal Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification None.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS 3

Substances

Chemical identity	Common name and synonyms	CAS No.	Content percentage
Calcium Chloride		10043-52-4	10 – 60%
Water		7732-18-5	40-90%
Potassium Chloride		7447-40-7	<=3.5%
Sodium Chloride		7647-14-5	<=2%
Calcium bromide	Sodium metaborate, anhydrous	7789-41-5	<=1%

*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume
Composition Comments: The components are not hazardous or are below required disclosure limits.

SECTION 4 FIRST AID MEASURES 4

General information: Get medical attention if any discomfort continues.
Ingestion: Do NOT induce vomiting. Never give liquid to an unconscious person. Get medical attention.
Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Perform artificial respiration if breathing has stopped.
Skin contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Eye contact: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
Most important symptoms/effects, acute and delayed
Symptoms: No data available.
Indication of immediate medical attention and special treatment needed
Treatment: Symptoms may be delayed.

SECTION 5 FIRE-FIGHTING MEASURES 5

General fire hazards: No unusual fire or explosion hazards noted.
Suitable (and unsuitable) extinguishing media
Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media: No data available.
Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters
Special firefighting procedures: No unusual fire or explosion hazards noted.
Special protective equipment for Fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES 6

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep unauthorized personnel away.
Methods and material for

containment and cleaning up:	Absorb spillage with non-combustible, absorbent material. Dike for later disposal.
Notification Procedures:	Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.
Environmental Precautions:	Do not contaminate water sources or sewer. Avoid release to the environment.

SECTION 7 HANDLING AND STORAGE 7

Precautions for safe handling:	Do not taste or swallow. Wash hands thoroughly after handling. Avoid contact with eyes.
Conditions for safe storage, including any incompatibilities:	Store away from incompatible materials. Store in original tightly closed container.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION 8

Control parameters	
Occupational exposure limits	None of the components have assigned exposure limits.
Appropriate engineering controls	Provide adequate ventilation.
Individual protection measures, such as personal protective equipment	
General information:	Use personal protective equipment as required. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned. Practice good housekeeping.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection:	Chemical resistant gloves.
Other:	Chemical resistant clothing.
Respiratory protection:	In case of inadequate ventilation use a suitable respirator.
Hygiene measures:	Do not eat, drink or smoke when using the product. Wash hand after Handling. Avoid contact with eyes. Observe good industrial hygiene practices.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES 9

Physical state:	Liquid
Form:	Liquid.
Color:	Colorless to amber
Odor:	Odorless.
Odor threshold:	No data available.
pH:	7 - 9
Melting point/freezing point:	5 - 51°C.
Initial boiling point and boiling range:	> 151 °C
Flash Point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available.

Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	12 – 16 hPa (25 °C)
Vapor density:	No data available.
Relative density:	1.22 – 1.44
Solubility(ies)	
Solubility in water:	Completely soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

SECTION 10

STABILITY AND REACTIVITY

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Reactivity:	No data available.
Chemical stability:	Material is stable under normal conditions
Possibility of hazardous reactions:	Stable
Conditions to avoid:	Avoid heat or contamination.
Incompatible materials:	May attack light-alloy metals and liberate hydrogen gas.
Hazardous decomposition products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11

TOXICOLOGICAL INFORMATION

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Symptoms related to the physical, chemical and toxicological characteristics

Ingestion:	No data available.
Inhalation:	No data available.
Skin contact:	No data available.
Eye contact:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATE mix (): 1,066.52 mg/kg

Dermal

Product: ATE mix (): 126,000 mg/kg

Inhalation

Product: No data available.

Specified substance(s):

Calcium chloride LC50 (Rat.): > 42 mg/l 2 = reliable with restrictions LC50 (Rat, 1 h): >42 Mg/l 2 = reliable with restrictions

Repeated dose toxicity

Product: No data available.

Skin corrosion/irritation

Product: No data available.

Serious eye damage/eye irritation

Product: No data available.

Respiratory or skin sensitization

Product: No data available.

Carcinogenicity

Product: No data available.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:
 No carcinogenic components identified
US. National Toxicology Program (NTP) Report on Carcinogens:
 No carcinogenic components identified
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):
 No carcinogenic components identified
Germ cell mutagenicity
In vitro
Product: No data available.
In vivo
Product: No data available.
Reproductive toxicity
Product: No data available.
Specific target organ toxicity - single exposure
Product: No data available.
Specific target organ toxicity - repeated exposure
Product: No data available.
Aspiration hazard
Product: No data available.
Other effects: No data available.

SECTION 12

ECOLOGICAL INFORMATION

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Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Calcium chloride
 LC50 (Bluegill (*Lepomis macrochirus*), 24 h): 8,350 mg/l Mortality LC 50 (Rainbow trout, Donaldson trout (*Oncorhynchus mykiss*), 24 h): 923- 1536 mg/l Mortality LC50 (Bluegill (*Lepomis macrochirus*), 24 h): 8,350 mg/l Mortality LC 50 (Fathead minnow (*Pimephales promelas*), 24 h): > 2,133 – 2,850 mg/l Mortality LC50 (Striped bass (*Morone saxatilis*), 24 h): 2,911 - 4,200 mg/l Mortality LC50 (Western mosquitofish (*Gambusia affinis*), 24 h): 4,700 mg/l Mortality LC50 (Striped bass (*Morone saxatilis*), 24 h): 458 - 565 mg/l Mortality
 Sodium Chloride
 LC50 (Fathead minnow (*Pimephales promelas*), 96 h): 7,450 mg/l Mortality

Aquatic invertebrates

Product: No data available.

Specified substance(s):

Calcium chloride
 LC50 (water flea (*Daphnia magna*), 25 h): 3,526 mg/l Mortality
 Potassium chloride
 LC 50 (Water flea (*Daphnia magna*), 24 h): 343 mg/l Mortality LC 50 (Crayfish (*Orconectes limosus*), 96 h): 640 mg/l Mortality LC 50 (Long fingernail clam (*Musculium transversum*), 96 h): 696 - 1,160 mg/l Mortality LC 50 (European physa, bladder snail (*Physella acuta*), 96 h): 940 mg/l Mortality LC 50 (Snail (*Physastra gibbosa*), 96 h): 940 mg/l Mortality

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Aquatic invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.
Persistence and degradability
Biodegradation
Product: No data available.
BOD/COD ratio
Product: No data available.
Bioaccumulative potential
Bioconcentration factor (BCF)
Product: No data available.
Partition coefficient n-octanol / water (log Kow)
Product: No data available.
Mobility in soil: No data available.
Known or predicted distribution to environmental compartments
Calcium chloride No data available.
Water No data available.
Potassium chloride No data available.
Sodium chloride No data available.
Calcium bromide No data available.
Known or predicted distribution to environmental compartments
Calcium chloride No data available.
Potassium chloride No data available.
Sodium chloride No data available.

SECTION 13 DISPOSAL CONSIDERATIONS 13

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at the time of disposal.
Contaminated packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied.

SECTION 14 TRANSPORT INFORMATION 14

Not regulated for transportation in containers less than RQ amount.

SECTION 15 REGULATORY INFORMATION 15

US federal regulations US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund amendments and reauthorization act of 1986 (SARA)

Hazard categories

Acute (immediate) Chronic(delayed) Fire Reactive Pressure Generating

SARA 302 Extremely hazardous substance

None present or none present in regulated quantities.

SARA 304 Emergency release notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous chemical

Chemical identity **Threshold Planning Quantity**

Calcium chloride	500 lbs.
Potassium chloride	500 lbs.
Sodium Chloride	500 lbs.
Calcium bromide	500 lbs.

SARA 313 (TRI reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US state regulations

US. California Proposition 65: No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act: No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List: No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances: No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK: No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

Australia AICS:	Not in compliance with the inventory.
Canada DSL Inventory List:	Not in compliance with the inventory.
EU EINECS List:	Not in compliance with the inventory.
EU ELINCS List:	Not in compliance with the inventory.
Japan (ENCS) List:	Not in compliance with the inventory.
EU No Longer Polymers List:	Not in compliance with the inventory.
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	Not in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.
Japan ISHL Listing:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.

SECTION 16

OTHER INFORMATION

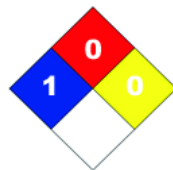
HMIS Hazard ID

HEALTH	2
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

B – Safety Glasses & Gloves

Hazard rating: 0 - minimal; 1 – slight; 2 – moderate; 4 – severe; RNP Rating not possible; *Chronic health effect

NFPA Hazard ID



Disclaimer: We recommend that you use this product in a manner consistent with the listed use. If your intended use is not consistent with the stated use in Section 1 of this SDS, please contact your sales or technical service representative.

Reason for Revision: Conversion to SDS format. Changes in all sections.

All Sections reformatted in accordance with OSHA Hazard Communication Standard 29 CFR 1910-1200(GHS). The information in this safety data sheet should be provided to all who will use, handles, store, transport, or otherwise be exposed to this product. This Information has been prepared for the guidance of plant engineering, operations and management and for persons working with or handling this product. Baleco believes this information to be reliable and up to date as of the date of publication, but makes no warranty that it is. Additionally, if this material safety data sheet is more than three years old, you should contact Baleco at The phone number listed in section 1 to make certain that this sheet is current.

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End of Safety Data Sheet