

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION 1

Product Name: Winter Guard Anti Freeze
Product ID: 5990
Synonyms: Calcium Chloride Solution
Revised Date: 07-01-2015
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.
Harmful to aquatic life.
May cause respiratory irritation.

Precautionary statement

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.
Storage	Store in a closed container. Keep container tightly closed. Store in a well-ventilated place. Store in a dry place.
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	42%
Potassium Chloride		7447-40-7	3%
Sodium Chloride		7647-14-5	2%

*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume

SECTION 4 FIRST AID MEASURES 4

General information:	CAUTION! First aid personnel must be aware of own risk during rescue!
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:	No data available.

SECTION 5 FIRE-FIGHTING MEASURES 5

General fire hazards:	No data available.
Suitable (and unsuitable) extinguishing media	
Suitable extinguishing media:	Material will not burn. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	No data available.
Specific hazards arising from the chemical:	No data available.
Special protective equipment and precautions for firefighters	
Special fire fighting procedures:	No data available.
Special protective equipment for fire-fighters:	No data available.

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.

SECTION 7**HANDLING AND STORAGE****7****Precautions for safe handling:**

Use personal protective equipment as required. Container must be kept tightly closed. Wash hands after handling.

Conditions for safe storage,**including any****incompatibilities:**

No data available.

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:

Use personal protective equipment as required.

Skin protection**Hand protection:**

Chemical resistant gloves.

Other:

No data available.

Respiratory protection:

Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits.

Hygiene measures:

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.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES****9****Physical state:**

Liquid

Form:

No data available.

Color:

No data available.

Odor:

No data available.

Odor threshold:

No data available.

pH:

9

Melting point/freezing point:

No data available.

Initial boiling point and boiling**range:**

> 100 °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:	No data available.
Vapor density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
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

10

Reactivity:	No data available.
Chemical stability:	No data available.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.
Incompatible materials:	No data available.
Hazardous decomposition products:	No data available.

SECTION 11

TOXICOLOGICAL INFORMATION

11

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 (): 1,071.844616 mg/kg

Dermal

Product: ATE mix (): 90,000.000005 mg/kg

Inhalation

Product: No data available.

Specified substance(s):

Calcium chloride LC 50 (Rat.): > 160 mg/m³ 3 (not reliable)

Specified substance(s):

Sodium Chloride LC 50 (Rat.): > 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

12

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Calcium chloride

LC 50 (Bluegill (*Lepomis macrochirus*), 5 d): 10,650 mg/l Mortality LC 50 (Western mosquitofish (*Gambusia affinis*), 24 h): 13,400 mg/l Mortality LC 50 (Bluegill (*Lepomis macrochirus*), 24 h): 8,350 mg/l Mortality LC 50 (Medaka, high-eyes (*Oryzias latipes*), 24 h): > 1,000 mg/l Mortality LC 50 (Fathead minnow (*Pimephales promelas*), 24 h): > 4,700 mg/l Mortality LC 50 (Rainbow trout, donaldson trout (*Oncorhynchus mykiss*), 24 h): 923 - 1,536 mg/l Mortality LC 50 (Fathead minnow (*Pimephales promelas*), 24 h): 2,133 - 2,850 mg/l Mortality LC 50 (Striped bass (*Morone saxatilis*), 24 h): 2,911 - 4,200 mg/l Mortality LC 50 (Western mosquitofish (*Gambusia affinis*), 24 h): 4,700 mg/l Mortality LC 50 (Striped bass (*Morone saxatilis*), 24 h): 458 - 565 mg/l Mortality

Potassium chloride

Aquatic invertebrates

Product:

No data available.

Specified substance(s):

Calcium chloride

EC 50 (Water flea (*Daphnia magna*), 21 d): 308 - 353 mg/l Intoxication EC 50 (Water flea (*Daphnia magna*), 24 h): 448.7 - 699 mg/l Intoxication EC 50 (Tubificid worm (*Tubifex tubifex*), 24 h): 750.66 - 910.16 mg/l Intoxication EC 50 (Tubificid worm (*Tubifex tubifex*), 48 h): 326.66 - 446.52 mg/l Intoxication EC 50 (Calanoid copepod (*Eudiaptomus padanus padanus*), 48h): 2,933 - 5,455 mg/l Intoxication

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.

Potassium chloride No data available.

Sodium chloride No data available.

Known or predicted distribution to environmental compartments

Water No data available.

SECTION 13

DISPOSAL CONSIDERATIONS

13

Disposal instructions: No data available.

Contaminated packaging: No data available.

SECTION 14

TRANSPORT INFORMATION

14

Not regulated for US domestic ground transportation.

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

Not listed.

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.

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

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.

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, Baleco Int'l Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its safety and suitability for their purposes prior to use. In no event will Baleco Int'l Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information.

No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or of any other nature, are made hereunder with respect to information or the product to which the information refers.

Prepared By: MSDS/SDS Department with information from the Supplier.
Baleco Int'l Inc.
PO Box 11331
Cincinnati, OH 45211
(513)353-3000

End of Safety Data Sheet