G.K. Chemical Specialties Co. Inc.
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SAFETY DATA SHEET (SDS)

PRODUCT NAME: G-210 WINTER RINSE	
HEALTH HAZARD RATING:	(1)- LOW HAZARD NFPA Rating
FLAMMABILITY HAZARD RATING:	(0)- MINIMAL HAZARD
REACTIVITY HAZARD RATING:	(0)- MINIMAL HAZARD
PERSONAL PROTECTION:	B - (Safety glasses, Gloves,)
HAZARD ALERT SIGN:	

SECTION 1 – IDENTIFICATION	
PRODUCT IDENTIFIER	
PRODUCT NAME	G-210 WINTER RINSE
MANUFACTURER'S NAME AND ADDRESS **EMERGENCY PHONE NO.**	G.K. Chemical Specialties Co. Inc. 90 Barbados Blvd. Scarborough, Ontario M1J 1K9 (416) 261-7182 / 905 427-7605/ 416-526-4037
SUPPLIER'S NAME AND ADDRESS **EMERGENCY PHONE NO.**	
CHEMICAL NAME	NOT APPLICABLE
CHEMICAL FAMILY	NOT APPLICABLE
TRADE NAME AND SYNONYMS	NOT APPLICABLE
MATERIAL USE	COMMERCIAL, INSTITUTIONAL AND INDUSTRIAL CLEANING

G.K. Chemical Specialties Co. Inc. has compiled the information and recommendations contained in this Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the SDS was prepared. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation.

G.K. Chemical Specialties Co. Inc. extends no warranty and assumes no responsibility as to the accuracy of the content or sufficiency of the information and expressly disclaims all liability for reliance thereon. This SDS provides guidelines for the safe handling of this product. It does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required. Individuals exposed to this product should read and understand this information and be provided pertinent training prior to working with this product.

G.K. Chemical Specialties Co. Inc. assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such vendors or users assume all risks associated with the use of the material.

INGREDIENTS. This SDS, under section of Ingredients, contains all ingredients listed under INGREDIENT DISCLOSURE LIST P.C. 1987-2719, 20/1/88 CANADA GAZETTE PART II VOL. 122, No 2 of HAZARDOUS PRODUCT ACT.
Percentage range of concentration of ingredients is expressed as percentage by weight of the total weight of the product. Ingredient List does not necessarily list all ingredients in the formulation and does not necessarily list all ingredient range of concentration, other than ingredients under the Disclosure List.

T.L.V. (units) or Threshold Limit Values refer to the limiting concentrations recommended by the Ministry of Labour. These values were adopted by the American Conference of Governmental Industrial Hygienists (A.C.G.I.H.). The figures refer to time-weighted average concentrations as P.P.M. (V/V) or mg/m^3 for a normal working day or at any time for some materials.

"C.A.S REG. No." means the identification number assigned to a chemical substance by the Chemical Abstracts Service Division of the American Chemical Society.

"LC 50" means the concentration of a substance in air that when administered by means of inhalation over a specified length of time in an animal assay, is expected to cause the death of 50 per cent of a defined animal population.
"LD 50" means the single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause death of 50 per cent of a defined animal population.

FLASH POINT. The minimum temperature at which a substance gives off flammable vapors which in contact with spark or flame will ignite.

NIOSH- National institute for occupational safety and health
STEL- Short term exposure limit
TWA- Time-weighted average
PEL- Permissible exposure limit
ACGIH- American conference of governmental industrial hygienist
OSHA- Occupational safety and health act

SECTION 2 – HAZARD IDENTIFICATION

Dangerous Goods: **WHMIS:** Class D. DIV. 2B

GHS CLASSIFICATION
Acute Toxicity (oral, dermal) – Category 4
Eye Damage/ Irritation –Category 2B
Skin Corrosion/Irritation – Category 3

HAZARDOUS SUBSTANCE (HSNO) CLASSIFICATION: CLASS D, DIV 2B

GHS Label Elements, including precautionary statements: Hazard Statements:
Signal word- DANGER

HAZARD STATEMENT
H315: Causes skin irritation
H320: Causes eye irritation
H303: May be harmful if swallowed

PREVENTION
P261- Avoid breathing dust/fumes/gas/mist/vapors/spray
P264: Wash skin thoroughly after handling
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection
P405: Store locked up

RESPONSE
P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes: Remove contact lenses if present and easy to do so. Continue rinsing.
P301 + P310: If swallowed: Immediately call a POISON CENTER or doctor/ physician.
P301 + P330 + P331" IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P304 +P340 + P310: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician
P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water. Shower

POTENTIAL HEALTH EFFECTS
INHALATION: If mist is inhaled may be harmful. May Cause respiratory tract irritation.
SKIN: May cause skin irritation
EYE: Will cause irritation
INGESTION: May be harmful if swallowed

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	APPROXIMATE CONCENTRATION %	C.A.S., N.A. OR U.N. NUMBERS	LD50 {SPECIFY SPECIES & ROUTE}	LC 50 SPECIFY SPECIES
ALCOHOLS, C9-C11 Ethoxylated	<1	68439-46-3	Oral(Rat): 1400 mg/kg Dermal (Rat):>5000mg/kg	
Tetrasodium ethylenediamine Tetraacetate	3 - 7	64-02-8	Oral (Rat): 3,030 mg/kg Dermal(Rabbit):>5000mg/kg	
Water, inert	Balance			

SECTION 4 – FIRST AID MEASURES

SKIN CONTACT	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.
EYE CONTACT	Immediately hold eyelids open and flush with water for at least 15 minutes. Seek medical attention.
INHALATION	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary
INGESTION	Harmful if swallowed. Do not induce vomiting. Drink 1 or 2 glasses of water. Seek immediate medical attention. Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.
NOTES TO PHYSICIAN	Eye burns or irritation may require extended irrigation. Swallowing may result in burns of the mouth, stomach and lower gastrointestinal tract. Aspiration of vomitus may cause lung injury.

SECTION 5 – FIRE-FIGHTING MEASURES

FLASH POINT (^{0}C)	Nil
FLASH POINT METHOD	Not applicable
AUTOIGNITION TEMPERATURE (^{0}C)	Non-combustible
UPPER FLAMMABLE LIMIT (% VOL.)	Not applicable
LOWER FLAMMABLE LIMIT (% VOL.)	Not applicable
HAZARDOUS COMBUSTION PRODUCTS	Oxides of Nitrogen, Carbon dioxide, Carbon monoxide
UNUSUAL FIRE/ EXPLOSION HAZARDS	Non known
SENSITIVITY TO MECHANICAL IMPACT	No.
SENSITIVITY TO STATIC DISCHARGE	No
EXTINGUISHING MEDIA	Use extinguishing agents compatible and appropriate for the burning material. Use water spray to keep fire-exposed containers cool
SPECIAL FIRE FIGHTING PROCEDURES	Fire fighters should wear full protective clothing, including self-contained breathing equipment.

SECTION 6 – ACCIDENTAL RELEASE MEASURES	
LEAK AND SPILL PROCEDURE	Stop leak. Move containers from spill area. Absorb spill with vermiculite absorbent material, and place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. LARGE SPILL: Dike area to contain spill.
ENVIRONMENTAL PRECAUTIONARY	Prevent entry into sewers or streams. Any release to the environment should be subject to federal or local reporting requirements.
PERSONAL PRECAUTIONARY MEASURES	Wear protective clothing during cleanup. See section 8 for recommendations on the use of personal protective equipment. Avoid breathing vapors, mist or gas. Avoid contact with clothing and skin

SECTION 7 – HANDLING AND STORAGE	
HANDLING PROCETURES	Avoid contact with eyes and skin. Avoid ingestion. Use good industrial hygiene practices in handling this product. Keep container closed when not in use.
STORAGE NEEDS	Keep container tightly closed. Store in a cool area above freezing point. Keep out of the reach of children. Keep in properly labeled containers.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION	
VENTILATION REQUIREMENTS	Good ventilation is recommended.
PROTECTIVE EQUIPMENT	Ensure that eyewash stations are proximal to the work-station location. The selection of personal protective equipment will vary depending on the condition of use
EYE/TYPE	Splash goggles, safety glasses
RESPIRATORY/TYPE	Approved/ certified vapor respirator when airborne concentration exceed exposure limits.
GLOVE/TYPE	Nitrile, Vinyl, Butyl impervious gloves
FOOTWEAR/TYPE	Boots. Chemical resistant and as specified by the workplace
BODY/TYPE	Protective clothing is required. Use impervious clothing (apron, coveralls). The selection of personal protective equipment will vary depending on the conditions of use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE – PHYSICAL STATE	Thin clear pinkish liquid
ODOUR	Mild mint aroma
ODOUR THRESHOLD (PPM)	Not determined
PH	10.5 ± 0.5 concentrate, 2 % SOLUTION: 9.00 ± 0.30
MELTING POINT (^{0}C)	See freezing point
BOILING POINT (^{0}C)	>100^{0}C (212^0 F) INITIAL
FREEZING POINT (^{0}C)	0^{0}C (32^0 F)
EVAPORATION RATE	<0.8 (n-Butyl Acetate = 1)
FLAMMABILITY	Not flammable
FLASH POINT (^{0}C)	Not applicable
AUTO IGNITION TEMPERATURE	Not available
DECOMPOSITION TEMPERATURE	Not available

VAPOUR DENSITY	Same as water
VAPOUR PRESSURE	Same as water
SOLUBILITY	Completely soluble in water
VISCOSITY	Thin liquid
% VOLATILE BY VOLUME	92 ± 0.5 %
SPECIFIC GRAVITY	1.02 ± 0.02 gm / cm^3 @ 20^0C

SECTION 10 – STABILITY AND REACTIVITY	
REACTIVITY	Exothermic reaction with incompatible materials
CHEMICAL STABILITY	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS	Non known
CONDITIONS TO AVOID	Some components of this product can decompose at elevated temperatures
INCOMPATIBLE MATERIALS	Avoid contact with strong oxidizers, prolonged contact with Aluminum alloys, Zinc and Copper alloys
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of Nitrogen, Carbon oxides

SECTION 11 –TOXICOLOGICAL INFORMATION	
TOXICITY EFFECTS ON ANIMALS	**Figures for Tetrasodium ethylenediamine tetraacetate (64-02-8):** Acute oral toxicity (LD50): 3,030 mg/kg (Rat), LD50 dermal (Rabbit): >5,000 mg/kg. **Figures for Alcohols, C9-C11, Ethoxylated (68439-46-3):** Acute Oral toxicity LD50 (Rat): 1,400 mg / kg. LD50 Dermal (Rabbit): >5,000 mg /kg
TOXIC EFFECTS ON HUMANS	**Inhalation**: Vapors are primarily water; exposure is not likely to be hazardous. **Ingestion**: May cause digestive tract irritation or ulceration, burns of the mouth and throat with abdominal pain, vomiting. **Skin contact**: Prolonged contact may cause skin irritation with local redness. Repeated contact may cause skin burns.. **Eye contact**: May cause severe irritation with corneal injury.
CHRONIC EFFECTS ON HUMANS	Prolonged contact with skin may defat tissue causing dermatitis or skin problems.
CARCINOGENICITY	No evidence
TERATOGENICITY	No data available
MUTAGENICITY	No evidence
REPRODUCTIVE EFFECTS	No evidence

SECTION 12 –ECOLOGICAL INFORMATION	
ECOTOXICITY DATA	**Figures for Tetrasodium ethylenediamine tetraacetate (64-02-8):** Toxicity to fish (LC50), Lepomis macrochirus (bluegill sunfish: 1,592 mg /L /96 h, static test. Acute toxicity to aquatic invertebrates: EC50, Daphnia magna (Water flea): 610- 1,033 mg / L /24 h, immobilization. Material is practically non-toxic to fish. **Figures for Alcohols, C9-C11, Ethoxylated (68439-46-3):** Acute toxicity to fish LC50 Fathead minnow (Pimephales promelas): 8.5 mg /L 96 h. Acute toxicity to aquatic invertebrates: EC50, Daphnia magna (Water flea): 5.3 mg /L /48 h. Material is practically non-toxic to fish.

BIODEGRADABILITY	Biodegradation under aerobic laboratory conditions is below detectable limits. Bioaccumulative potential: Bioconcentration potential is low
PRODUCTS OF DEGRADATION	No relevant data found

SECTION 13 – DISPOSAL CONSIDERATIONS	
WASTE DISPOSAL	Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations. Keep out of waterways.
INFORMATION ON SAFE HANDLING FOR DISPOSAL INCLUDING ANY CONTAMINATED PACKAGING	Suitable waste facility.

SECTION 14 – TRANSPORT INFORMATION	
UN NUMBER	3267
UN PROPER SHIPPING NAME	Corrosive liquid, basic, organic, N.O.S (5 % Solution in water of Tetrasodium ethylenediamine tetraacetate)
TRANSPORT HAZARD CLASS	CLASS: 8 (CORROSIVE)
PACKAGING GROUP	III
ENVIRONMENTAL HAZARDS	NO
TRANSPORT IN BULK, if applicable	NOT AVAILABLE
SPECIAL PRECAUTIONS	Guide to Canadian Transportation/ Emergency Response Guidebook (ERG): # 153

SECTION 15 – REGULATORY INFORMATION	
SAFETY HEALTH & ENVIRONMENTAL REGULATIONS SPECIFIC TO THE PRODUCT	U.S. TSCA inventory Status: All components of this product are either on the Toxic Substances Control Act (TSCA) INVENTORY List or exempt. Canadian DSL Inventory Status: All components of this product are either on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL) or exempt.

SECTION 16 – OTHER INFORMATION	
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DATE OF THE LATEST REVISION OF SDS:	**August 25, 2021**