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

PRODUCT NAME: G-211 DEFOAMER	
HEALTH HAZARD RATING:	(0)- MINIMAL HAZARD NFPA Rating
FLAMMABILITY HAZARD RATING:	(0)- MINIMAL HAZARD
REACTIVITY HAZARD RATING:	(0)- MINIMAL HAZARD
PERSONAL PROTECTION:	a (glasses)
HAZARD ALERT SIGN:	NO SYMBOL

SECTION 1 – **IDENTIFICATION**	
PRODUCT IDENTIFIER	
PRODUCT NAME	G-211 DEFOAMER
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	N/A
CHEMICAL FAMILY	N/A
TRADE NAME AND SYNONYMS	N/A
MATERIAL USE	INDUSTRIAL, COMMERCIAL, INSTITUTIONAL

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**; Not regulated **GHS CLASSIFICATION** Not dangerous according to Globally Harmonized System (GHS) **POTENTIAL HEALTH EFFECTS** May cause eye irritation May be harmful if swallowed **RESPONSE:** P305 + P351 + P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313: If eye irritation persists: Get medical advice/ attention P301 + P330 + P331; IF SWALLOWED; Rinse mouth. Do NOT induce vomiting P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician

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 & ROUTE}**
Polydimethylsiloxane	3 - 7	63148-62-9	Oral(Rat): >2000 mg/kg Dermal(Rabbit):>2000mg/kg	
Alcohols, C9-C11, Ethoxylated	3 - 7	68439-46-3	Oral(Rat): 1,400 mg/kg Dermal (Rabbit):>2000 mg/kg	
Water, inert and other non -hazardous ingredients	Balance			

SECTION 4 – FIRST AID MEASURES	
SKIN CONTACT	No known significant effects or critical hazards expected.
EYE CONTACT	Immediately hold eyelids open and flush with water for at least 15 minutes. Seek medical attention if required
INHALATION	No known significant effects or critical hazards
INGESTION	May be 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 occur spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.
NOTES TO PHYSICIAN	Treatment based on sound judgment of physician and individual reaction of patient. If swallowed Symptoms may include nausea, vomiting and diarrhea

SECTION 5 – FIRE-FIGHTING MEASURES	
FLASH POINT (^{0}C)	Not flammable
FLASH POINT METHOD	Not applicable
AUTOIGNITION TEMPERATURE (^{0}C)	Not applicable
UPPER FLAMMABLE LIMIT (% VOL.)	Not applicable
LOWER FLAMMABLE LIMIT (% VOL.)	Not applicable
HAZARDOUS COMBUSTION PRODUCTS	Carbon Dioxide (CO_2), Carbon monoxide (CO), Nitrogen Oxides and Oxides of Sulphur.
UNUSUAL FIRE/ EXPLOSION HAZARDS	None known
SENSITIVITY TO MECHANICAL IMPACT	Not sensitive
SENSITIVITY TO STATIC DISCHARGE	Not sensitive
EXTINGUISHING MEDIA	Water spray, foam, dry powder or Carbon Dioxide. Use media appropriate for surrounding fire
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. Dilute with water and mop up. Material can create slippery conditions. Use non-slip safety shoes in areas where spills or leaks can occur
ENVIRONMENTAL PRECAUTIONARY	Prevent entry into sewers or streams.
PERSONAL PRECAUTIONARY MEASURES	Wear protective clothing during cleanup

SECTION 7 – HANDLING AND STORAGE	
HANDLING PROCETURES	Avoid contact with eyes. Avoid ingestion. Use good industrial hygiene practices in handling this product. Keep container closed when not in use.
STORAGE NEEDS	Keep container tightly closed. Keep away from children. Do not store in unlabeled containers. Do not store with strong oxidizing agents.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION	
VENTILATION REQUIREMENTS	General ventilation is recommended.
PROTECTIVE EQUIPMENT	Ensure that eyewash stations are proximal to the work-station location
EYE/TYPE	Safety glasses
RESPIRATORY/TYPE	None required
GLOVE/TYPE	None required
FOOTWEAR/TYPE	No special footwear is required
BODY/TYPE	No special protective clothing is required

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE – PHYSICAL STATE	Milky Liquid
ODOUR	No odour
ODOUR THRESHOLD (PPM)	Not available

PH	7.80 ±0.50 in water
MELTING POINT (^{0}C)	Not applicable
BOILING POINT (^{0}C)	100^{0}C
FREEZING POINT (^{0}C)	0^{0}C
EVAPORATION RATE	As water
FLAMMABILITY	Not applicable
FLASH POINT (^{0}C)	Not applicable
AUTO IGNITION TEMPERATURE	Not applicable
DECOMPOSITION TEMPERATURE	Not available
VAPOUR DENSITY	Not applicable
VAPOUR PRESSURE	Not applicable
SOLUBILITY	Soluble in water
VISCOSITY	Viscous liquid
% VOLATILE BY VOLUME	94.5 ± 1
SPECIFIC GRAVITY	1.01 ± 0.02 gm / cm^3

SECTION 10 – STABILITY AND REACTIVITY	
REACTIVITY	The product is stable
CHEMICAL STABILITY	Stable
POSSIBILITY OF HAZARDOUS REACTIONS	Not applicable
CONDITIONS TO AVOID	No specific data
INCOMPATIBLE MATERIALS	Strong Oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon Dioxide ($C0_2$), Carbon Monoxide (C0),

SECTION 11 –TOXICOLOGICAL INFORMATION	
TOXICITY EFFECTS ON ANIMALS	**For Polydimethylsiloxane (63148-62-9):** Acute Oral toxicity LD50 (Rat): >2000 mg/kg, LD50 Dermal (Rabbit): >2,000 mg/kg . **For Alcohols, C9-C11, Ethoxylated (68439-46-3):** Acute Oral toxicity LD50 (Rat): 1,400 mg /kg, LD50 Dermal (Rabbit): >2,000 mg/kg. **For the mix** estimated Acute Oral Toxicity is much >5,000 mg/kg. Therefore product is classified as non-toxic. Acute Dermal Toxicity for the mix is also estimated to be much >5,000 mg/ kg. Therefore the product is classified as non-toxic
TOXIC EFFECTS ON HUMANS	May cause mild irritation of eyes
CHRONIC EFFECTS ON HUMANS	No known significant effects
CARCINOGENICITY	No evidence
TERATOGENICITY	No evidence
MUTAGENICITY	No evidence
REPRODUCTIVE EFFECTS	No evidence

SECTION 12 –ECOLOGICAL INFORMATION	
ECOTOXICITY DATA	**For Polydimethylsiloxane (63148-62-9):** Acute Toxicity to fish LC50, Zebra fish (Danio rerio): >100 mg / L /96 h. Acute Toxicity Crustacea EC50, Daphnia magna (Water flea): >100 mg / L / 48 h. This ingredient biologically is not degradable.

	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 Crustacea EC50, Daphnia magna (Water flea): 5.3 mg /L / 48 h. Ingredient readily BIODEGRADABLE
BIODEGRADABILITY	Silicone portion is not degradable.
PRODUCTS OF DEGRADATION	No data

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

SECTION 14 – TRANSPORT INFORMATION	
UN NUMBER	Not applicable
UN PROPER SHIPPING NAME	Not applicable
TRANSPORT HAZARD CLASS	Not regulated
PACKAGING GROUP	Not applicable
ENVIRONMENTAL HAZARDS	Nil
TRANSPORT IN BULK, if applicable	Not applicable
SPECIAL PRECAUTIONS	NIL

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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TELEPHONE NO.:	416-261-7182
DATE OF THE LATEST REVISION OF SDS:	**August 25, 2021**