




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

<b>PRODUCT NAME:</b> G-70 CARPET CLEANING POWDER (with Brightner)	
<b>HEALTH HAZARD RATING:</b>	(1)- SLIGHT HAZARD
<b>FLAMMABILITY HAZARD RATING:</b>	(0)- MINIMAL HAZARD
<b>REACTIVITY HAZARD RATING:</b>	(0)- MINIMAL HAZARD
<b>PERSONAL PROTECTION:</b>	b (Glasses and Gloves)
<b>HAZARD ALERT SIGN:</b>	

### SECTION 1 – IDENTIFICATION

<b>PRODUCT IDENTIFIER</b>	
<b>PRODUCT NAME</b>	G-70 CARPET CLEANING POWDER (with Brightner)
<b>MANUFACTURER'S NAME AND ADDRESS EMERGENCY PHONE NO.</b>	G.K. Chemical Specialties Co. Inc. 90 Barbados Blvd. Scarborough, Ontario M1J 1K9 (416) 261-7182 / 905 427-7605/ 416-526-4037
<b>SUPPLIER'S NAME AND ADDRESS EMERGENCY PHONE NO.</b>	
<b>CHEMICAL NAME</b>	N/A
<b>CHEMICAL FAMILY</b>	Detergent
<b>TRADE NAME AND SYNONYMS</b>	N/A
<b>MATERIAL USE</b>	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<sup>3</sup> 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 E (Corrosive), CLASS D, 2B (Toxic)  
OSHA HAZARDS: Corrosive material

### GHS CLASSIFICATION

Skin Corrosion/ Irritation- Category 2

Serious Eye Damage/ Eye Irritation- Category 2a

Acute Toxicity- Oral- Category 4

Specific target organ toxicity (single exposure)- Category 3 (Target organs-Respiratory system)

GHS Label Elements, including precautionary statements: Hazard Statements

**Signal word- DANGER**

### HAZARD STATEMENTS

H319- Causes serious eye irritation

H302- Harmful if swallowed

H315- Causes skin irritation

H335- May cause respiratory irritation

### PREVENTION (see also section 4 – First aid and measures)

P280: Wear protective gloves/ eye protection / face protection

P264: Wash skin thoroughly after handling

P260: Do not breathing dust/ mist

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. 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

P303 + P361 + P353: IF ON SKIN: Remove/ Take off immediately all contaminated clothing. Rinse skin with water. Shower.

### POTENTIAL HEALTH EFFECTS

EYE: Will cause severe irritation

SKIN: May cause irritation

INGESTION: May be harmful if swallowed

INHALATION: May cause respiratory irritation



<b>SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS</b>				
<b>HAZARDOUS INGREDIENTS</b>	<b>APPROXIMATE CONCENTRATION%</b>	<b>C.A.S., N.A. OR U.N. NUMBERS</b>	<b>LD50 {SPECIFY SPECIES &amp; ROUTE}</b>	<b>LC 50 {SPECIFY SPECIES &amp; ROUTE}</b>
Triphosphoric acid, sodium salt (1:5)	60 - 80	7758-29-4	Oral (Rat): 3120 mg/kg Dermal (Rabbit): >4,640mg	
Sodium Percarbonate	1 - 3	15630-89-4	Oral (Rat): 2,400 mg/kg Dermal (Rabbit): >2000mg/kg	
Sodium Citrate Dihydrate	1 - 3	6132-04-3	Oral (Rat): 6,730 mg/kg Dermal (Rabbit): >2000mg/kg	
Diphosphoric acid, sodium salt (1:2)	3 - 7	7758-16-9	Oral (mouse): 2,650 mg/kg Dermal(Rabbit): >2,640mg/kg	
Tetrasodium salt of EDTA	1 - 3	64-02-8	Oral (Rat): 3,030 mg/kg Dermal (Rabbit):>5,000 mg/kg	
(C10-C16) Alkyl Benzene Sulfonic acid, Sodium salt	3 - 7	68081-2	Oral (Rat): >1,000 mg/kg Dermal (Rabbit):>2,000mg/kg	
Benzenesulfonic acid, 2,2'-([1,1'-biphenyl]-4,4'-diyldi-2,1-ethenediyl)bis-, disodium salt	<1	27344-41-8	Oral (Rat): >2,000 mg/kg Dermal (Rabbit): >2,000mg/kg	
Perfume and other non - hazardous ingredients	<1			

<b>SECTION 4 – FIRST AID MEASURES</b>	
<b>SKIN CONTACT</b>	No known significant effects or critical hazards for product at use solution. For product as sold contact may cause irritation. In case of contact rinse with plenty of water.
<b>EYE CONTACT</b>	Immediately hold eyelids open and flush with water for at least 15 minutes. Seek medical attention.
<b>INHALATION</b>	No known significant effects or critical hazards for product at use solution. For product as supplied (powder form) avoid breathing dust. Inhalation of dust may cause nose, throat, and lung irritation. If symptoms persist, call a physician.
<b>INGESTION</b>	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.
<b>NOTES TO PHYSICIAN</b>	Treatment based on sound judgment of physician and individual reaction of patient.

<b>SECTION 5 – FIRE-FIGHTING MEASURES</b>	
<b>FLASH POINT ( °C)</b>	Not flammable
<b>FLASH POINT METHOD</b>	Not applicable
<b>AUTOIGNITION TEMPERATURE ( °C )</b>	Not applicable
<b>UPPER FLAMMABLE LIMIT (% VOL.)</b>	Not applicable
<b>LOWER FLAMMABLE LIMIT (% VOL.)</b>	Not applicable
<b>HAZARDOUS COMBUSTION PRODUCTS</b>	Carbon Dioxide ( CO <sub>2</sub> ), Carbon monoxide. Oxides of sodium, Oxides of phosphorus, Oxides of Sulfur
<b>UNUSUAL FIRE/ EXPLOSION HAZARDS</b>	None known
<b>SENSITIVITY TO MECHANICAL IMPACT</b>	Not sensitive
<b>SENSITIVITY TO STATIC DISCHARGE</b>	Not sensitive
<b>EXTINGUISHING MEDIA</b>	Water spray, foam, dry powder or Carbon Dioxide. Use media appropriate for surrounding fire
<b>SPECIAL FIRE FIGHTING PROCEDURES</b>	Fire fighters should wear full protective clothing, including self-contained breathing equipment

<b>SECTION 6 – ACCIDENTAL RELEASE MEASURES</b>	
<b>LEAK AND SPILL PROCEDURE</b>	Sweep up spillage and collect in suitable container for disposal. Avoid dust formation.
<b>ENVIRONMENTAL PRECAUTIONARY</b>	Prevent entry into sewers or streams.
<b>PERSONAL PRECAUTIONARY MEASURES</b>	Wear protective clothing during cleanup

<b>SECTION 7 – HANDLING AND STORAGE</b>	
<b>HANDLING PROCETURES</b>	Avoid contact with eyes and skin. Do not ingest. Do not breathe dust. Use good industrial hygiene practices in handling this product. Keep container closed when not in use.
<b>STORAGE NEEDS</b>	Keep container tightly closed and store in a dry area

<b>SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>VENTILATION REQUIREMENTS</b>	General ventilation is recommended.
<b>PROTECTIVE EQUIPMENT</b>	Ensure that eyewash stations are proximal to the work-station location
<b>EYE/TYPE</b>	Safety glasses
<b>RESPIRATORY/TYPE</b>	If exposure limits are exceeded or if irritation or other symptoms are experienced use NIOSH approved respiratory protection. Respirator with a dust filter.
<b>GLOVE/TYPE</b>	PVC, Neoprene, Natural Rubber. Do not wear cotton gloves
<b>FOOTWEAR/TYPE</b>	No special footwear is required
<b>BODY/TYPE</b>	No special protective clothing is required

<b>SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES</b>	
APPEARANCE – PHYSICAL STATE	White powder
ODOUR	Rose
ODOUR THRESHOLD (PPM)	Not applicable
PH	8.50 ± 0.50 2 % solution
MELTING POINT ( °C)	Not applicable
BOILING POINT ( °C )	Not applicable
FREEZING POINT ( °C )	Not applicable
EVAPORATION RATE	Not applicable
FLAMMABILITY	Not applicable
FLASH POINT ( °C)	Not applicable
AUTO IGNITION TEMPERATURE	No data
DECOMPOSITION TEMPERATURE	Not available
VAPOUR DENSITY	Not applicable
VAPOUR PRESSURE	Not applicable
SOLUBILITY	Soluble in water 15-20 %
VISCOSITY	Not applicable
% VOLATILE BY VOLUME	Not applicable
SPECIFIC GRAVITY	No data

<b>SECTION 10 – STABILITY AND REACTIVITY</b>	
REACTIVITY	Strong acids, strong Oxidizing agents
CHEMICAL STABILITY	Stable
POSSIBILITY OF HAZARDOUS REACTIONS	Not applicable
CONDITIONS TO AVOID	No specific data
INCOMPATIBLE MATERIALS	Strong acids, strong Oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon Dioxide (CO <sub>2</sub> ) Carbon Monoxide (CO), Oxides of Sodium, Oxides of phosphorus, Oxides of Sulfur

<b>SECTION 11 –TOXICOLOGICAL INFORMATION</b>	
TOXICITY EFFECTS ON ANIMALS	<p><b>For Triphosphoric acid, sodium salt (1:5) (7758-29-4):</b> Acute Oral Toxicity LD50 (Rat): 3,120 mg/kg. Acute Dermal Toxicity LD50 (Rabbit): &gt;4,640 mg/kg</p> <p><b>For Sodium Percarbonate (15630-89-4):</b> Acute Oral Toxicity LD50 (Rat): 2,400 mg/kg. Acute Dermal Toxicity LD50 (Rabbit): &gt;2,000 mg/kg.</p> <p><b>For Sodium Citrate Dihydrate (6132-04-3):</b> Acute Oral Toxicity LD50 (Rat): 6,730 mg/kg. Acute Dermal Toxicity LD50 (Rabbit): &gt;2,000 mg/kg.</p> <p><b>For Diphosphoric acid, sodium salt (1:2) (7758-16-9):</b> Acute Oral Toxicity LD50 (mouse): 2,650 mg / kg. Acute Dermal Toxicity LD50(Rabbit): &gt;2,640 mg / kg.</p> <p><b>For Tetrasodium salt of EDTA (64-02-8):</b> Acute Oral Toxicity LD50 (Rat): 3,030 mg/kg. Acute Dermal Toxicity LD50 (Rabbit): &gt;5,000 mg/kg.</p> <p><b>For (C10-C16) Alkyl Benzene Sulfonic acid, Sodium salt (68081-2):</b> Acute Oral Toxicity LD50 (Rat): &gt;1,000 mg/kg. Acute Dermal Toxicity LD50 (Rabbit): &gt;2,000 mg/kg.</p>

	<b>For Benzenesulfonic acid, 2,2'-([1,1'-biphenyl]-4,4'-diyldi-2,1-ethenediyl)bis-, disodium salt (27344-41-8):</b> Acute Oral Toxicity LD50 (Rat): >2,000 mg/kg. Acute Dermal Toxicity LD50 (Rabbit): >2,000 mg/kg
<b>TOXIC EFFECTS ON HUMANS</b>	Will cause serious eye damage, May cause skin irritation. May cause irritation of the respiratory tract with coughing, choking and pain. Ingestion causes swelling, damage to the delicate tissue.
<b>CHRONIC EFFECTS ON HUMANS</b>	Repeated or prolonged skin contact may result in dermatitis.
<b>CARCINOGENICITY</b>	No evidence
<b>TERATOGENICITY</b>	No evidence
<b>MUTAGENICITY</b>	No evidence
<b>REPRODUCTIVE EFFECTS</b>	No evidence

<b>SECTION 12 –ECOLOGICAL INFORMATION</b>	
<b>ECOTOXICITY DATA</b>	<p><b>Figures for Triphosphoric acid, sodium salt (1:5) (7758-29-4):</b> Ecotoxicity in water (LC50): Acute Toxicity to fish, <i>Leuciscus idus</i>: 1650 mg / L / 48 h.</p> <p><b>Figures for Sodium Percarbonate (15630-89-4):</b> Acute Toxicity to fish LC50, <i>Pimephales promelas</i> (fathead minnow): 71 mg/L / 96h. Acute Toxicity to aquatic invertebrates EC50, <i>Daphnia pulex</i> (water flea): 4.9 mg / L / 48 h. This ingredient is inorganic and not subject to biodegradation.</p> <p><b>Figures for Sodium Citrate Dihydrate (6132-04-3):</b> Acute Toxicity to fish LC50, <i>Poecilia Reticulata</i>: 18,000-32,000 mg / L / 96h. Acute Toxicity to aquatic invertebrates EC50, <i>Daphnia magna</i> (Water flea): 5,600-10,000 mg / L / 48h. EC50 Fresh water Algae (<i>Chlorella Vulgaris</i>): 1800-3200 mg / L / 8 h. Ingredient Non-toxic, readily BIODEGRADABLE. Biodegradability: &gt;98 % / 2 days.</p> <p><b>Figures for Diphosphoric acid, sodium salt (1:2) (7758-16-9):</b> No specific data was found. Avoid contaminating waterways. This ingredient is inorganic and the term biodegradability is not applicable. This ingredient will slowly hydrolyze in water to Orthophosphate which can act as a plant nutrient. This ingredient will provide in the formulation &lt;1.7 % Phosphorus (as P<sub>2</sub>O<sub>5</sub>)</p> <p><b>Figures for Tetrasodium salt of EDTA (64-02-8):</b> Acute Toxicity to fish LC50, Bluegill Sunfish (<i>Lepomis macrochirus</i>): 157-2,070 mg / L / 96 h. LC50, <i>Pimephales promelas</i> (Fathead minnow): &gt;100 mg / L / 96 h. Material is practically non-toxic to fish on an acute basis. Bioconcentration potential is low</p> <p><b>Figures for C10-C16) Alkyl Benzene Sulfonic acid, Sodium salt (68081-2):</b> Acute Toxicity to fish, LC50, <i>Pimephales Promelas</i> (Fathead minnow): 1.67 mg / L 96 h. Acute Toxicity Crustacea, EC50, <i>Daphnia magna</i> (Water flea): 2.4 mg / L / 48 h. EC50, Algae: 29 mg / L / 96 h. This ingredient is Toxic to aquatic organisms, however it biodegradates very fast. Primary degradation intermediates are Sulfophenyl Carboxylates which further degrades to CO<sub>2</sub>, SO<sub>4</sub> and water. Biodegradation intermediates have LC50 &gt;1,000 mg / L / 96 h for Fathead minnows and <i>Daphnia magna</i> and are not toxic to aquatic organisms.</p>

	<b>Figures for Benzenesulfonic acid, 2,2'-([1,1'-biphenyl]-4,4'-diyldi-2,1-ethenediy)bis-, disodium salt (27344-41-8):</b> Acute Toxicity to fish LC50, Brachydanio rerio: >10- <100 mg/ L /96 h. Acute Toxicity to aquatic invertebrates EC50, Daphnia magna: >1,000 mg /L /24 h. Acute Toxicity to aquatic plants EC50 Scenedesmus subspicatus: >10- <100 mg /L /72 h. >70 % Readily biodegradable
<b>BIODEGRADABILITY</b>	No data
<b>PRODUCTS OF DEGRADATION</b>	No data

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

<b>SECTION 14 – TRANSPORT INFORMATION</b>	
<b>UN NUMBER</b>	Not applicable
<b>UN PROPER SHIPPING NAME</b>	Not applicable
<b>TRANSPORT HAZARD CLASS</b>	Not applicable
<b>PACKAGING GROUP</b>	Not applicable
<b>ENVIRONMENTAL HAZARDS</b>	Nil
<b>TRANSPORT IN BULK, if applicable</b>	Not applicable
<b>SPECIAL PRECAUTIONS</b>	None

<b>SECTION 15 – REGULATORY INFORMATION</b>	
<b>SAFETY HEALTH &amp; ENVIRONMENTAL REGULATIONS SPECIFIC TO THE PRODUCT</b>	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.

<b>SECTION 16 – OTHER INFORMATION</b>	
<b>PREPARED BY:</b>	Gus Kaklamanos - Chemist
<b>TELEPHONE NO.:</b>	416-261-7182
<b>DATE OF THE LATEST REVISION OF SDS:</b>	October 2, 2017