



G.K. Chemical Specialties Co. Inc.  
90 Barbados Blvd.  
Scarborough, Ontario M1J 1K9  
Tel: (416) 261-7182 Fax: (416) 261-5663

# MATERIAL SAFETY DATA SHEET

**PRODUCT NAME:** Steam Kleen Carpet Cleaner Lo-Foam

<b>HEALTH HAZARD RATING:</b>	SLIGHT HAZARD – irritation or minor reversible injury possible
<b>FLAMMABILITY HAZARD RATING:</b>	MINIMAL HAZARD - materials which are normally stable and will not burn unless heated
<b>REACTIVITY HAZARD RATING:</b>	MINIMAL HAZARD – materials which are normally stable, even under fire conditions, and which will not react with water.
<b>PERSONAL PROTECTION:</b>	Safety glasses + Gloves
<b>HAZARD ALERT SIGN:</b>	HEALTH HAZARD – Slightly Hazardous FIRE HAZARD – Will not burn REACTIVITY – Stable SPECIFIC HAZARD –

## SECTION I – MATERIAL IDENTIFICATION AND USE / IDENTIFICATION DE LA MATIÈRE ET USAGE

### MATERIAL NAME / IDENTIFIÉ – NOM / IDENTIFICATION DE LA MATIÈRE

#### Steam Kleen Carpet Cleaner Lo-Foam

MANUFACTURER'S NAME AND ADDRESS/ NOM DU FABRICANT – ADRESSE EMERGENCY PHONE NO. / N° DE TÉLÉPHONE D'URGENCE	G.K. Chemical Specialties Co. Inc. 90 Barbados Blvd. Scarborough, Ontario M1J 1K9 (416) 261-7182 / 905 427-7605
SUPPLIER'S NAME AND ADDRESS/ NOM DU FOURNISSEUR - ADRESSE EMERGENCY PHONE NO. / N° DE TELEPHONE DURGENGE	
CHEMICAL NAME / DÉNOMINATION CHIMIQUE	Not Applicable
CHEMICAL FAMILY / FAMILLE CHIMIQUE	Detergent
CHEMICAL FORMULA / FORMULE CHIMIQUE	Not Applicable
TRADE NAME AND SYNONYMS / APPELLATION COMMERCIALE ET SYNONYMES	Not Applicable
MOLECULAR WEIGHT / POIDS MOLÉCULAIRE	Not Applicable
MATERIAL USE / UTILISATION DE LA MATIÈRE	Cleaning

G.K. Chemical Specialties Co. Inc. has compiled the information and recommendations contained in this Material Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS 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 MSDS 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 MSDS, 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.

**SECTION II – HAZARDOUS INGREDIENTS OF MATERIAL / INGRÉDIENTS DANGEREUX DE LA MATIÈRE**

HAZARDOUS INGREDIENTS / INGRÉDIENTS DANGEREUX	APPROXIMATE CONCENTRATION % CONCENTRATION APPROXIMATIVE %	C.A.S., N.A. OR U.N. NUMBERS / NUMERO CAS NA OU CNU	LD50 {SPECIFY SPECIES & ROUTE} DL50 {PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION}	LC 50 {SPECIFY SPECIES & ROUTE} CL50 {PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION}
Sodium Hydroxide	0.5 – 1.5	1310-73-2	LD 50 Oral, Rat 10% Sol'n 500 mg/kgm	
Benzene Sulfonic Acid, Linear Alkyl, Sodium Salt-Neutralized	0.5 – 1.5	68411-30-3	LD50 Oral Rat 500-5000 mg/kgm	
Tetrasodium Salt of EDTA	0.5 – 1.5	64-02-8 N.H.	LD50 Mice Oral 8000 mg/kgm	
Ethylene Glycol Monobutyl Ether	1 – 5	111-76-2	LD50 Oral Rat, 500-5000 mg/kgm	
Sodium Tripoly Phosphate	1 - 5	7758-29-4 N.H.	LD50 Oral Rat 20% Sol'n 6500 mg/kgm	
Sodium Lauryl Sulfate	1 – 5	151-21-3	LD50 Oral Rat, 500 – 5000 mg/kgm	
Triethanolamine Lauryl Sulfate	1 – 5	139-96-8 N.H.	Not Available	
Coconut Diethanolamide	1 – 5	68603-42-9 N.H.	LD50 Oral Rat 9000 mg/kgm	
Non Ionic Surfactant	3 – 7	9036-19-5 N.H.	LD50 Oral Rat 1800 mg/kgm	
Ester Type Surfactant	1 - 5	Non Hazardous	Not Available	
Saponified Tall Oil F.A. Perfume, Colour water and other non hazardous ingredients	1-5 Balance	Non Hazardous Non Hazardous		

**SECTION III – PHYSICAL DATA FOR MATERIAL / CARACTÉRISTIQUES PHYSIQUES DE LA MATIÈRE**

PHYSICAL STATE / ÉTAT PHYSIQUE	Liquid
ODOUR AND APPEARANCE / ODEUR ET APPARENCE	Pleasant Odour, Yellow Colour
ODOUR THRESHOLD (P.P.M.) / SEUIL DE L'ODEUR (PPM)	Not Applicable
SPECIFIC GRAVITY / DENSITE RELATIVE	1.0 ± 0.02 gm/cm <sup>3</sup>
VAPOUR PRESSURE [MM] / TENSION DE VAPEUR [MM]	< 25 at 20 °C
VAPOUR DENSITY [AIRE = 1] / DENSITE DE VAPEUR [AIR =1]	~ Water
EVAPORATION RATE / TAUX D'ÉVAPORATION	~ Water
BOILING POINT [°C] / POINT D'ÉBULLITION [°C]	100 °C
FREEZING POINT [°C] / POINT DE CONGELATION [°C]	0 °C
SOLUBILITY IN WATER [20°C] / SOLUBILITÉ DANS L'EAU [20°C]	Infinite
% VOLATILE [BY VOLUME] / % VOLATILITÉ [PAR VOLUME]	80 ± 1
PH	12 ± 0.5
COEFFICIENT OF WATER / OIL DISTRIBUTION / COEFFICIENT DE RÉPARTITION EAU / HUILE	Not Applicable

**SECTION IV – FIRE AND EXPLOSION HAZARD OF MATERIAL/RISQUES D'INCENDIE ET D'EXPLOSION DU MATÉRIEL**

FLAMMABILITY / INFLAMMABILITÉ <input type="checkbox"/> YES / OUI <input checked="" type="checkbox"/> NO/NON IF YES, UNDER WHICH CONDITIONS? / SI OUI, DANS QUELLES CONDISIONS?	
MEANS OF EXTINCTION / MOYENS D'EXTINCTION	None Required
SPECIAL PROCEDURES / MARCHE A SUIVRE SPÉCIALE	None Required
FLASHPOINT [°C] AND METHOD / POINT D'ÉCLAIR [°C] ET MÉTHODE DE DÉTERMINATION	Not Applicable
UPPER EXPLOSION LIMIT [% BY VOLUME]/ SEUIL MAXIMAL D'INFLAMMABILITÉ [% PAR VOLUME]	Not Applicable
LOWER EXPLOSION LIMIT [% BY VOLUME]/ SEUIL MINIMAL D'INFLAMMABILITÉ [% PAR VOLUME]	Not Applicable
AUTOIGNITION TEMPERATURE [°C] / TEMPÉRATURE D'AUTO-INFLAMMATION [°C]	Not Applicable
HAZARDOUS COMBUSTION PRODUCTS / PRODUITS DE COMBUSTION DANGEREUX	Nitrogen oxides, Carbon monoxide &/or Carbon dioxide
<b>EXPLOSION DATA / DONNÉES SUR L'EXPLOSIBILITÉ</b>	
SENSITIVITY TO MECHANICAL IMPACT / SENSIBILITÉ AUX CHOCS	Not Applicable
SENSITIVITY TO STATIC DISCHARGE / SENSIBILITÉ AUX DÉCHARGES ÉLECTROSTATIQUES	Not Applicable

**SECTION V – REACTIVITY DATA / DONNÉES SUR LA RÉACTIVITÉ**

CHEMICAL STABILITY / STABILITÉ CHIMIQUE <input checked="" type="checkbox"/> YES / OUI <input type="checkbox"/> NO/NON IF NO, UNDER WHICH CONDITIONS? / SI NON-, DANS QUELLES CONDISIONS?	
INCOMPATIBILITY TO OTHER SUBSTANCES / INCOMPATIBILITÉ AVEC D'AUTRES SUBSTANCES <input checked="" type="checkbox"/> YES / OUI <input type="checkbox"/> NO/NON IF SO, WHICH ONES? / SI OUI, AVEC LESQUELLES?	Strong Acids, Strong Oxidizing Agents - Not dangerously reactive
REACTIVITY AND UNDER WHAT CONDITIONS / RÉACTIVITÉ – DANS QUELLES CONDITIONS?	Avoid contamination with strong acids, strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS / PRODUITS DE DÉCOMPOSITION DANGEREUX	None Known

**SECTION VI – TOXICOLOGICAL PROPERTIES OF MATERIAL / PROPRIÉTÉS TOXICOLOGIQUES DE LA MATIÈRE**

ROUTE OF ENTRY / VOIE D'ADMINISTRATION	
<input checked="" type="checkbox"/> SKIN CONTACT / CONTACT AVEC LA PEAU	<input type="checkbox"/> SKIN ABSORPTION / ABSORPTION PAR LA PEAU
<input checked="" type="checkbox"/> EYE CONTACT / CONTACT OCULAIRE	<input type="checkbox"/> INHALATION ACUTE / INHALATION AIGUE
<input checked="" type="checkbox"/> INHALATION CHRONIC / INHALATION CHRONIQUE	<input checked="" type="checkbox"/> INGESTION

<b>EFFECTS OF ACUTE EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION AIGUE A LA MATIERE</b>	EYE CONTACT: Will cause irritation, may cause chemical burns SKIN CONTACT: May cause irritation, seen as local redness upon prolonged or repeated contact. INHALATION: If misted, causes irritation of mucous membranes, coughing. INGESTION: Will cause irritation of mouth and throat, nausea, vomiting, diarrhea, dizziness, faintness, collapse, coma
<b>EFFECTS OF CHRONIC EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION CHRONIQUE A LA MATIERE</b>	Skin irritation or dermatitis may occur upon frequent or prolonged contact

## MATERIAL NAME / IDENTIFIER - NOM / IDENTIFICATION DE LA MATIÈRE↓

### Steam Kleen Carpet Cleaner Lo Foam

<b>LD 50 OF MATERIAL [SPECIFY SPECIES &amp; ROUTE] / LD50 DE LA MATIÈRE [PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION]</b>	> 6000 mg/kgm Rat, Oral
<b>LC50 OF MATERIAL [SPECIFY SPECIES &amp; ROUTE] LC50 DE LA MATIÈRE / [PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION]</b>	Not Established
<b>EXPOSURE [LIMITS] / LIMITS D'EXPOSITION</b>	100 mg/m <sup>3</sup>
<b>IRRITANCY OF MATERIAL/PROPRIÉTÉ IRRITANTE DE LA MATIÈRE</b>	Eye moderate irritant, Skin mild
<b>SENSITIZATION OF MATERIAL / SENSIBILISATION A LA MATIÈRE</b>	Eyes, Skin
<b>SYNERGISTIC MATERIALS / MATÉRES SYNERGIQUES</b>	None known
<b>CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY / CANCÉROGÉNÉCITÉ, EFFETS NOCIFS SUR LA REPRODUCTION, TÉRATOGÉNÉCITÉ, MUTAGÉNÉCITÉ</b>	None of the ingredients contained in this product are regulated as carcinogens by OSHA.

## SECTION VII – PREVENTIVES MEASURES / MESURES PRÉVENTIVES

### PERSONAL PROTECTIVE EQUIPMENT / MATÉRIEL PERSONNEL DE PROTECTION

<b>GLOVES (SPECIFY) GANTS [PRÉCISER]</b>	Rubber or Plastic Gloves
<b>EYE [SPECIFY] / YEUX [PRÉCISER]</b>	Glasses, Goggles
<b>RESPIRATORY (SPECIFY) / APPAREIL RESPIRATOIRE (PRÉCISÉR)</b>	If mist and/or hot vapours are present, use air purifying respirator or self-contained breathing apparatus as required.
<b>OTHER (SPECIFY) / AUTRES (PRCISER)</b>	None Required
<b>ENGINEERING CONTROLS [E.G. VENTILATION, ENCLOSED PROCESS, SPECIFY] / MÉCANISMES TECHNIQUES [EX. VENTILATION, OPÉRATION EN MILIEU FERMÉ, PRÉCISER]</b>	General Ventilation. For misting operations use with adequate ventilation
<b>LEAK AND SPILL PROCEDURE / MESURES EN CAS DE FUITE OU DE DÉVERSEMENT</b>	SMALL AMOUNTS – Flush with water  LARGE AMOUNTS – Contain spill use phosphoric or hydrochloric acids dilute to cautiously neutralize prior to allowing material to enter any lakes, rivers, streams, reservoirs or sources of drinking water
<b>WASTE DISPOSAL / ÉLIMINATION DES RÉSIDUS</b>	Sanitary Sewer – Small Amounts  For large amounts consult federal, provincial and local regulations on chemical waste disposal.
<b>HANDLING PROCEDURES AND EQUIPMENTS / MÉTHODES ET ÉQUIPEMENT POUR LA MANUTENTION</b>	Avoid Contact with eyes. Avoid prolonged contact with skin.

<b>STORAGE REQUIREMENTS / EXIGENCES D'ENTREPOSAGE</b>	Keep in closed containers away from children. Store above 0 °C
<b>SPECIAL SHIPPING INFORMATION / RENSEIGNEMENTS SPÉCIAUX POUR L'EXPÉDITION</b>	None Required

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### **SECTION VIII – FIRST AID MEASURES / PREMIERS SOINS**

**EYE CONTACT:** Immediately flush with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention.

**SKIN CONTACT:** Wash skin with lots of water. Remove contaminated clothing and shoes. Wash before reuse. Get medical attention if required.

**INHALATION:** Remove to fresh air. Give artificial respiration if not breathing, call a physician and/or transport to a medical facility.

**IF SWALLOWED:** Do not induce vomiting. If conscious, give lots of water or milk, then dilute vinegar or lemon juice. Get immediate medical attention. Do not give anything by mouth to an unconscious person.

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<b>ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES</b>	
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### **SECTION IX – PREPARATION DATE OF M.S.D.S. / FICHE SIGNALÉTIQUE**

**PREPARED BY:** Gus Kaklamanos - CHEMIST

**TELEPHONE NO.:** (416) 2617182

**DATE:** January 5, 2015

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**ADDITIONAL NOTES OR REFERENCES / NOTES ADDITIONNELLES OU RÉFÉRENCES:**

WHIMIS Classification: Class D, 2B