



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

# Material SAFETY DATA SHEET

PRODUCT NAME: G-490 Spray and Wipe All Purpose Cleaner

<b>HEALTH HAZARD RATING:</b>	SLIGHT HAZARD - irritation or minor reversible injury possible
<b>FLAMMABILITY HAZARD RATING:</b>	MODERATE HAZARD - materials which must be moderately heated before ignition will occur, including flammable liquids with flash points at or above 100 °F and below 200 °F. (NFPA Class II and Class IIA)
<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
<b>HAZARD ALERT SIGN:</b>	HEALTH HAZARD – Slightly hazardous FIRE HAZARD – Below 200 °F REACTIVITY – Stable SPECIFIC HAZARD –

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

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

#### G-490 Spray & Wipe All Purpose Cleaner

MANUFACTURER'S NAME AND ADDRESS/ NOM DU FABRICANT – ADRESSE EMERGENCY PHONE NO. / N° DE TÉLÉPHONE D'URGENCE	G.K. Chemical Specialties Co. Ltd. 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. Ltd. 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. Ltd. 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. Ltd. 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 APROXIMATIVE %	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}
Isopropanol	15-40	67-63-0	LD 50 Oral Rat 584 mg/kgm TLV 400 PPM	
Sodium salt of linear Alkyl Benzene Sulfonate	1-5	68411-30-3	LD 50 Oral Rat 500-5000 mg/kgm	
Ethylene Glycol Monobutyl Ether	1-5	111-76-2	LD 50 Oral Rat 500-5000 mg/kgm TLV 25 PPM	
Sodium Phosphate Tribasic	1-5	Non hazardous	6500 mg/kgm LD 50 Oral Rat 20% solution	
Sodium Tripolyphosphate	1-5	Non hazardous		
Saponified Fatty Acids	1-5	Non hazardous	< = Less than	
Water, Perfume and other non hazardous ingredients	Balance	Non hazardous		

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

PHYSICAL STATE / ÉTAT PHYSIQUE	Liquid
ODOUR AND APPEARANCE / ODEUR ET APPARENCE	Clear blue liquid, Alcohol odour
ODOUR THRESHOLD (P.P.M.) / SEUIL DE L'ODEUR (PPM)	Not Established
SPECIFIC GRAVITY / DENSITÉ RELATIVE	0.95 ± 0.02 gm/cm <sup>3</sup>
VAPOUR PRESSURE [MM] / TENSION DE VAPEUR [MM]	< 25 at 20 °C
VAPOUR DENSITY [AIRE = 1] / DENSITÉ DE VAPEUR [AIR =1]	> 1
EVAPORATION RATE / TAUX D'ÉVAPORATION	~ Water
BOILING POINT [°C] / POINT D'ÉBULLITION [°C]	82-83 °C 180-181 °F
FREEZING POINT [°C] / POINT DE CONGÉLATION [°C]	< 0 °C
SOLUBILITY IN WATER [20°C] / SOLUBILITÉ DANS L'EAU [20°C]	Infinite
% VOLATILE [BY VOLUME] / % VOLATILITÉ [PAR VOLUME]	94 ± 1%
PH	11.10 ± 0.5
COEFFICIENT OF WATER / OIL DISTRIBUTION / COEFFICIENT DE RÉPARTITION EAU / HUILE	

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

FLAMMABILITY / INFLAMMABILITÉ <input checked="" type="checkbox"/> YES / OUI <input type="checkbox"/> NO/NON IF YES, UNDER WHICH CONDITIONS? / SI OUI, DANS QUELLES CONDITIONS?	Product contains Isopropyl Alcohol and Ethylene Glycol Mono-Butyl Ether. Heated solvent vapours can travel to an ignition source and flash back.
MEANS OF EXTINCTION / MOYENS D'EXTINCTION	Dry chemical, Carbon Dioxide, Water Fog or Dry Foam
SPECIAL PROCEDURES / MARCHÉ À SUIVRE SPÉCIALE	Evacuate hazard area. Wear adequate respiratory and clothing protection. Cool fire exposed containers with water. Wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode when fighting fires.
FLASHPOINT [°C] AND METHOD / POINT D'ÉCLAIR [°C] ET MÉTHODE DE DÉTERMINATION	> 12 °C (53 °F) Tag C.C.

UPPER EXPLOSION LIMIT [% BY VOLUME]/ SEUIL MAXIMAL D'INFLAMMABILITÉ [% PAR VOLUME]	8
LOWER EXPLOSION LIMIT [% BY VOLUME]/ SEUIL MINIMAL D'INFLAMMABILITÉ [% PAR VOLUME]	48
AUTOIGNITION TEMPERATURE [°C] / TEMPÉRATURE D'AUTO-INFLAMMATION [°C]	> 400 °C
HAZARDOUS COMBUSTION PRODUCTS / PRODUITS DE COMBUSTION DANGEREUX	Carbon Monoxide and / or Carbon Dioxide

### EXPLOSION DATA / DONNÉES SUR L'EXPLOSIBILITÉ

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 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 NO/NON IF SO, WHICH ONES? / SI OUI, AVEC LESQUELLES?	Sulfuric and Nitric Acids
REACTIVITY AND UNDER WHAT CONDITIONS / RÉACTIVITÉ – DANS QUELLES CONDITIONS?	Contact with acids
HAZARDOUS DECOMPOSITION PRODUCTS / PRODUITS DE DÉCOMPOSITION DANGEREUX	Monoxide and Dioxide of Carbon

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

#### ROUTE OF ENTRY / VOIE D'ADMINISTRATION

SKIN CONTACT / CONTACT AVEC LA PEAU                       SKIN ABSORPTION / ABSORPTION PAR LA PEAU  
 EYE CONTACT / CONTACT OCULAIRE                               INHALATION ACUTE / INHALATION AIGUE  
 INHALATION CHRONIC / INHALATION CHRONIQUE                       INGESTION

EFFECTS OF ACUTE EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION AIGUE A LA MATIÈRE	SKIN CONTACT: Repeated or prolonged contact may cause drying, brittleness, cracking and irritation. EYE: May cause irritation, tearing and burning. INHALATION: Vapours cause a slight smarting of the eyes or respiratory system if present in high concentrations. INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION CHRONIQUE A LA MATIÈRE	None Known

**MATERIAL NAME / IDENTIFIÉRIER - NOM / IDENTIFICATION DE LA MATIÉRE ↓****G-490 Spray and Wipe All Purpose Cleaner**

LD 50 OF MATERIAL [SPECIFY SPECIES & ROUTE] / LD50 DE LA MATIÉRE [PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION]	20,000 mg/kgm Oral Rat LD 50
LC50 OF MATERIAL [SPECIFY SPECIES & ROUTE] LC50 DE LA MATIÉRE / [PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION]	Not Established
EXPOSURE [LIMITS] / LIMITS D'EXPOSITION	TLV 1200 PPM
IRRITANCY OF MATERIAL/PROPRIÉTÉ IRRITANTE DE LA MATIÉRE	Eyes, Skin
SENSITIZATION OF MATERIAL / SENSIBILISATION A LA MATIÉRE	Eyes, Skin
SYNERGISTIC MATERIALS / MATÉRES SYNERGIQUES	None Known
CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY / CANCÉROGÉNÉCITÉ, EFFETS NOCIFES SUR LA REPRODUCTION, TÉRATOGÉNÉCITÉ, MUTAGÉNÉCITÉ	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**

GLOVES (SPECIFY) GANTS [PRÉCISER]	Impervious for repeated or prolonged contact
EYE [SPECIFY] / YEUX [PRÉCISER]	Glasses
RESPIRATORY (SPECIFY) / APPAREIL RESPIRATOIRE (PRÉCISÉR)	If workplace exposure limits(s) of product or any component is exceeded, a NIOSH / MSHA approved air supplied respirator is advised in absence of proper environmental control.
OTHER (SPECIFY) / AUTRES (PRCISER)	Normal work clothing
ENGINEERING CONTYROLS [E.G. VENTILATION, ENCLOSED PROCESS, SPECIFY] / MÉCANISMES TECHNIQUES [EX. VENTILATION, OPÉRATION EN MILIEU FERMÉ, PRÉCISER]	General Ventilation
LEAK AND SPILL PROCEDURE / MESURES EN CAS DE FUITE OU DE DÉVERSEMENT	Flush with plenty of water
WASTE DISPOSAL / ÉLIMINATION DES RÉSIDUS	SMALL QUANTITIES: Sanitary sewer LARGE QUANTITITES: Dispose in accordance with local, provincial and federal regulations. Product contains isopropanol, liquid incineration is the preferred method.
HANDLING PROCEDURES AND EQUIPMENTS / MÉTHODES ET ÉQUIPEMENT POUR LA MANUTENTION	Avoid contact with eyes.
STORAGE REQUIREMENTS / EXIGENCES D'ENTREPOSAGE	Store in closed containers in a cool place 0 ° - 30 °C. Store away from any source of ignition. Keep out of reach of children.
SPECIAL SHIPPING INFORMATION / RENSEIGNEMENTS SPÉCIAUX POUR L'EXPÉDITION	None Required

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

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**SKIN CONTACTED:** Wash exposed area with soap and water remove contaminated clothing. Launder contaminated clothing before re use.

**EYES CONTACTED:** Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention if irritation persists.

**SWALLOWED:** Do not induce vomiting, keep person warm, quiet and get medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis, which can be fatal.

**BREATHED:** If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.

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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**

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**PREPARED BY:** Gus Kaklamanos - CHEMIST

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

**DATE:** January 01, 2010

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

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**WHMIS CLASSIFICATION:** CLASS B, DIV. 2  
CLASS D, DIV. 2 SUB. B