



G.K. Chemical Specialties Co. Inc.
90 Barbados Blvd.
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Material SAFETY DATA SHEET

PRODUCT NAME: G-713 Paint and Solvent-Base Sealer Remover Gelly Type

HEALTH HAZARD RATING:	MODERATE HAZARD – temporary or minor injury may occur
FLAMMABILITY HAZARD RATING:	SLIGHT HAZARD – materials that must be preheated before ignition will occur. Flammable liquids in this category will have flash points (the lowest temperature at which ignition will occur) at or above 200 °F (NFPA Class II and Class IIA)
REACTIVITY HAZARD RATING:	SLIGHT HAZARD – materials which are normally stable, but can become unstable at high temperatures and pressures. These materials may react with water, but will not release energy violently.
PERSONAL PROTECTION:	Safety glasses + Gloves + Vapour respirator
HAZARD ALERT SIGN:	HEALTH HAZARD – Hazardous FIRE HAZARD – Above 200 °F REACTIVITY – Unstable if heated SPECIFIC HAZARD –

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

MATERIAL NAME / IDENTIFIÉRIER – NOM / IDENTIFICATION DE LA MATIÈRE

G-713 Paint and Solvent-Base Sealer Remover

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 DURGENCE	
CHEMICAL NAME / DÉNOMINATION CHIMIQUE	Not Applicable
CHEMICAL FAMILY / FAMILLE CHIMIQUE	Chlorinated hydrocarbons
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	Sealer and Paint Removing

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/m³ 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}
Methylene chloride	60-80	75-09-2	LD50 (Oral, Rat) 1500-2500 mg/kg TLV 100 PPM Short Term Inhalation 500 PPM for 30 min	
Methyl alcohol	5-10	67-56-1	LD50 (Oral Rat) 5000-1 5000 mg/kg TLV 200 PPM	
Ethylene glycol monobutyl ether	5-10	111-76-2	LD50 (Oral Rat) 500-5000 mg/kg TLV 200 PPM	
Petroleum distillates	1-5	64742-47-8	LD50 (Oral Rat) TLV 500-5000 mg/kg 100 PPM	
Octyl phenol ethoxylate	1-5	9036-19-5	LD50 (Oral Rat) 1800 mg/kg	
Isopropylamine alkylaryl sulfonate	1-5	26264-05-1	LD50 (Oral Rat) 500-5000 mg/kg	
Paraffin Wax	0.5 – 1.5	Non Hazardous		
Other Non Hazardous Ingredients	3-7	Non Hazardous		

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

PHYSICAL STATE / ÉTAT PHYSIQUE	Liquid
ODOUR AND APPEARANCE / ODEUR ET APPARENCE	Gelly liquid, chlorinated hydrocarbon odour
ODOUR THRESHOLD (P.P.M.) / SEUIL DE L'ODEUR (PPM)	205-307 PPM
SPECIFIC GRAVITY / DENSITE RELATIVE	1.12 ± 0.2 gm/cm ³
VAPOUR PRESSURE [MM] / TENSION DE VAPEUR [MM]	< 350
VAPOUR DENSITY [AIRE = 1] / DENSITE DE VAPEUR [AIR =1]	> 1
EVAPORATION RATE / TAUX D'ÉVAPORATION	< 14.1 n-Butyl Acetate = 1
BOILING POINT [°C] / POINT D'ÉBULLITION [°C]	140 °F 40 °C
FREEZING POINT [°C] / POINT DE CONGELATION [°C]	Not Applicable
SOLUBILITY IN WATER [20°C] / SOLUBILITÉ DANS L'EAU [20°C]	Soluble
% VOLATILE [BY VOLUME] / % VOLATILITÉ [PAR VOLUME]	99 ± 1
PH	Not Applicable
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 <u> </u> X <u> </u> YES / OUI <u> </u> NO/NON IF YES, UNDER WHICH CONDITIONS? / SI OUI, DANS QUELLES CONDISIONS?	The bulk of the formulation is Methylene chloride, which is non-flammable solvent. However, product contains 20-25% a mixture of methanol, aromatic and aliphatic hydrocarbons, and ethylene glycol monobutyl ether. These solvents are flammable. Heated solvent vapours can travel to an ignition source and flash back.
MEANS OF EXTINCTION / MOYENS D'EXTINCTION	Water may be used to keep fire-exposed containers cool. Foam, dry chemical, carbon dioxide must be used to extinguish fire due to flammable components in the product.
SPECIAL PROCEDURES / MARCHE A SUIVRE SPÉCIALE	Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

FLASHPOINT [°C] AND METHOD / POINT D'ÉCLAIR [°C] ET MÉTHODE DE DÉTERMINATION	Bulk formulation-none methanol component 12 °C
UPPER EXPLOSION LIMIT [% BY VOLUME]/ SEUIL MAXIMAL D'INFLAMMABILITÉ [% PAR VOLUME]	14
LOWER EXPLOSION LIMIT [% BY VOLUME]/ SEUIL MINIMAL D'INFLAMMABILITÉ [% PAR VOLUME]	22
AUTOIGNITION TEMPERATURE [°C]/ TEMPÉRATURE D'AUTO-INFLAMMATION [°C]	> 260 °C (500 °F)
HAZARDOUS COMBUSTION PRODUCTS / PRODUITS DE COMBUSTION DANGEREUX	Irritating fumes

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 __ YES / OUI _X_ NO/NON IF NO, UNDER WHICH CONDITIONS? / SI NON-, DANS QUELLES CONDIONS?	Under normal conditions product is stable. Avoid open flames, welding arcs or other high temperature sources which induce thermal decomposition releasing Hydrogen chloride and small amounts of phosgene and chlorine.
INCOMPATIBILITY TO OTHER SUBSTANCES / INCOMPATIBILITÉ AVEC D'AUTRES SUBSTANCES _X_ YES / OUI __ NO/NON IF SO, WHICH ONES? / SI OUI, AVEC LESQUELLES?	Strong caustics, amines, aluminum, possibly sodium, potassium and magnesium.
REACTIVITY AND UNDER WHAT CONDITIONS / RÉACTIVITÉ – DANS QUELLES CONDITIONS?	High temperature sources contact
HAZARDOUS DECOMPOSITION PRODUCTS / PRODUITS DE DÉCOMPOSITION DANGEREUX	Hydrogen chloride and small amounts of phosgene and chlorine.

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

EFFECTS OF ACUTE EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION AIGUE A LA MATIERE	EYE CONTACT: Will cause pain, moderate eye irritation and slight corneal injury. Vapors may irritate eyes. SKIN CONTACT: Will cause irritation, even a burn. Repeated contact may cause drying or flaking of skin. SKIN ABSORPTION: A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of the material into the lungs can cause chemical pneumonitis, which can be fatal.
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION CHRONIQUE A LA MATIERE	INHALATION: Minimal anesthetic or narcotic effects may be seen in the range of 500-1000 PPM. Progressively higher levels over 1000 PPM can cause dizziness, drunkenness, nausea, headache, and possible unconsciousness or asphyxiation.

MATERIAL NAME / IDENTIFIER - NOM / IDENTIFICATION DE LA MATIÈRE↓**G-713 Paint and Solvent-Base Sealer Remover**

LD 50 OF MATERIAL [SPECIFY SPECIES & ROUTE] / LD50 DE LA MATIÈRE [PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION]	> 1500 mg/kgm Rat, Oral
LC50 OF MATERIAL [SPECIFY SPECIES & ROUTE] LC50 DE LA MATIÈRE / [PRÉCISER L'ESPECE ET LA VOIE D'ADMINISTRATION]	Not Established
EXPOSURE [LIMITS] / LIMITS D'EXPOSITION	TLV = 100 PPM Inhalation = 500 PPM for 30 min
IRRITANCY OF MATERIAL/PROPRIÉTÉ IRRITANTE DE LA MATIÈRE	Eye, skin, respiratory system
SENSITIZATION OF MATERIAL / SENSIBILISATION A LA MATIÈRE	Eye, skin, respiratory system
SYNERGISTIC MATERIALS / MATÈRES SYNERGIQUES	None known
CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENCY / CANCÉROGÉNÉCITÉ, EFFETS NOCIFS SUR LA REPRODUCTION, TÉRATOGÉNÉCITÉ, MUTAGÉNÉCITÉ	Overexposure can raise the level of carbon monoxide in the blood causing cardiovascular stress. Results of laboratory animal tests showed benign tumors in rats exposed above TLV values, cancer in rats and mice exposed to high concentrations. Limited epiemiology studies failed to show a tumorigenis response in plant workers. This product is not believed to pose a measurable cancer risk to man when handled as recommended. Laboratory animal studies to evaluate potential birth defects and effects on reproduction show: a low degree of maternal and embryotoxicity at 4500 PPM; no teratological effects and no effects on reproduction at concentrations of 4500 and 1225 PPM.

SECTION VII – PREVENTIVES MEASURES / MESURES PRÉVENTIVES**PERSONAL PROTECTIVE EQUIPMENT / MATÉRIEL PERSONNEL DE PROTECTION**

GLOVES (SPECIFY) GANTS [PRÉCISER]	Wear resistant gloves such as polyethylene
EYE [SPECIFY] / YEUX [PRÉCISER]	Glasses, Goggles
RESPIRATORY (SPECIFY) / APPAREIL RESPIRATOIRE (PRÉCISÉR)	IF workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. Engineering or administrative controls should be implemented to reduce exposure.
OTHER (SPECIFY) / AUTRES (PRCISER)	Selection of specific items such as gloves, boots, apron or fully-body suit will depend on operation.
ENGINEERING CONTROLS [E.G. VENTILATION, ENCLOSED PROCESS, SPECIFY] / MÉCANISMES TECHNIQUES [EX. VENTILATION, OPÉRATION EN MILIEU FERMÉ, PRÉCISER]	Provide sufficient Mechanical (general and or local exhaust) ventilation to maintain exposure below TLV(s)
LEAK AND SPILL PROCEDURE / MESURES EN CAS DE FUITE OU DE DÉVERSEMENT	SMALL AMOUNTS – Absorb liquid on vermiculite, floor absorbent or other absorbent material and transfer to hood. LARGE AMOUNTS – Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent and shoveled into containers.

WASTE DISPOSAL / ÉLIMINATION DES RÉSIDUS	May be dangerous to aquatic life if product enters water intakes. Small Spill: Dispose off in accordance with all local, provincial and federal regulations. Large Spill: Dispose off in accordance with all regulations, destroy by incineration in accordance with applicable regulations is the preferred method.
HANDLING PROCEDURES AND EQUIPMENTS / MÉTHODES ET ÉQUIPEMENT POUR LA MANUTENTION	Avoid Contact with eyes, skin, clothing. Avoid breathing vapors.
STORAGE REQUIREMENTS / EXIGENCES D'ENTREPOSAGE	Store in closed containers in a cool place away from children.
SPECIAL SHIPPING INFORMATION / RENSEIGNEMENTS SPÉCIAUX POUR L'EXPÉDITION	Dichloromethane or Methylene chloride Class 9.2, PIN #1593, Packing Group III

SECTION VIII – FIRST AID MEASURES / PREMIERS SOINS

EYE CONTACT: Flush with large amounts of water lifting upper and lower lids occasionally; get medical attention.

SKIN CONTACT: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Lander contaminated clothing before re-use.

IF 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.

IF 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.

ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLÉMENTAIRES	
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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

ADDITIONAL NOTES OR REFERENCES / NOTES ADDITIONNELLES OU RÉFÉRENCES:

WHIMIS Classification: Class D, DIV 2, SUB A, and SUB B