






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

PRODUCT NAME: RAPID STRIP-Floor finish and emulsion sealer Stripper	
HEALTH HAZARD RATING:	(2)- MODERATE HAZARD NFPA Rating
FLAMMABILITY HAZARD RATING:	(2)- MODERATE HAZARD
REACTIVITY HAZARD RATING:	(0)- MINIMAL HAZARD
PERSONAL PROTECTION:	h- (Splash goggles, Gloves, Synthetic apron, Vapor respirator)
HAZARD ALERT SIGN:	  

SECTION 1 – IDENTIFICATION

PRODUCT IDENTIFIER	
PRODUCT NAME	RAPID STRIP- Floor finish and emulsion sealer Stripper
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 CHEMTREC(24 HR EMERGENCY) 1-800-424-9300 International CHEMTREC: 1-703-527-3887
SUPPLIER'S NAME AND ADDRESS EMERGENCY PHONE NO.	
CHEMICAL NAME	NOT APPLICABLE
CHEMICAL FAMILY	MIXTURE
TRADE NAME AND SYNONYMS	NOT APPLICABLE
MATERIAL USE	COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL CLEANING

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/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.

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** Hazard Class: B3 (Flammable liquid), D2A, D2B (Toxic materials).

GHS CLASSIFICATION

Flammable liquids- Category 2
 Skin Corrosion/ irritation- Category 1B
 Serious eye damage/Eye irritation- Category 1
 Acute Toxicity (Oral)- Category-4
 Acute Toxicity (Inhalation)- Category 4
 Acute Toxicity (Dermal)- Category 4
 Specific target organ Toxicity-Single exposure- Category 3



GHS Label Elements, including precautionary statements: Hazard Statements:
Signal word- DANGER

HAZARD STATEMENTS

H226- Flammable liquid and vapor
 H314- Causes severe skin burns and eye damage
 H317- May cause an allergic skin reaction
 H332- Harmful if inhaled
 H302-Harmful if swallowed
 H335- May cause respiratory irritation



PREVENTION (see also section 4- First aid and measures)

P210- Keep away from heat/sparks/open flames/hot surfaces
 P261- Avoid breathing dust/fumes/gas/mist/vapors/spray
 P280- Wear protective gloves/ protective clothing/ eye protection/ face protection
 P264- Wash skin thoroughly after handling

RESPONSE

P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes: Remove contact lenses if present and easy to do so. Continue rinsing.
 P301 + P310: If swallowed- Immediately call a POISON CENTER or doctor/ physician
 P301 + P330 + P331: IF SWALLOWED- Rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353: If ON SKIN (or hair) – Remove/ Take off immediately all contaminated clothing. Rinse skin with water.
 P370 + P378: In case of fire- Use sand, CO₂ or extinguishing powder for extinction.

Precautionary Statements (Storage)

P233.Keep container tightly closed
 P403 + P235 Store in well-ventilated place. Keep cool

POTENTIAL HEALTH EFFECTS

EYES: Corrosive to eyes. Causes damage
SKIN: May be harmful if absorbed through skin. Causes skin irritation, may result in dermatitis and burns.
INGESTION: May be harmful if swallowed. May cause gastric disturbances.
INHALATION: May be harmful if inhaled. May cause respiratory tract irritation. Over exposure to vapors may cause drowsiness and dizziness.

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}
Isopropyl Alcohol	7 – 15	67-63-0	Oral(Rat): 5045 mg/kg	
2-aminoethanol	15 – 25	141-43-5	Oral (Rat): 1515 mg/kg	
2-Butoxyethanol	25 – 35	111-76-2	Oral (Rat): 1480 mg/kg	
Alcohols, C9-C11, Ethoxylated	<1	68439-46-3	Oral (Rat): 1400 mg/kg	
Poly(oxy-1,2ethanediyl) a- Hydro-w Hydroxyl-decylethers Phosphate	<1	9004-80-2	Oral (Rat): >1500mg/kg	
Tetrasodium ethylenediamine tetraacetate	<1	64-02-8	Oral (Rat): 3030 mg/kg	
Water, inert	balance			

SECTION 4 – FIRST AID MEASURES

SKIN CONTACT	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.
EYE CONTACT	Immediately hold eyelids open and flush with water for at least 15 minutes. Seek medical attention.
INHALATION	Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary
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. Most important symptoms/effects: EYE CONTACT: Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Eye damage could result. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. May cause allergic skin reaction. Symptoms of allergic reaction may include rash, itching, swelling

SECTION 5 – FIRE-FIGHTING MEASURES

FLASH POINT (°C)	12°C (54°F) For Isopropyl Alcohol- lowest flash point from all ingredients
FLASH POINT METHOD	Closed Cup or Tag
AUTOIGNITION TEMPERATURE (°C)	245°C (473°F) For 2-Butoxyethanol- lowest Autoignition temperature from all ingredients
UPPER FLAMMABLE LIMIT (% VOL.)	10.6 % For 2-Butoxyethanol
LOWER FLAMMABLE LIMIT (% VOL.)	1.3 % for 2- Butoxyethanol

HAZARDOUS COMBUSTION PRODUCTS	Carbon Dioxide (CO ₂), Carbon monoxide (CO) Oxides of Nitrogen,
UNUSUAL FIRE/ EXPLOSION HAZARDS	Risks of explosion of the product in presence of mechanical impact: Not available. Explosive in presence of open flames, sparks, or heat. Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back.
SENSITIVITY TO MECHANICAL IMPACT	May be
SENSITIVITY TO STATIC DISCHARGE	May be
EXTINGUISHING MEDIA	Water spray, foam, dry powder or Carbon Dioxide. Use media appropriate for surrounding fire. Do not use water jet as an extinguisher as this will spread the 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. Absorb spill with vermiculite or other noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination.
ENVIRONMENTAL PRECAUTIONARY	Prevent entry into sewers or streams. Any release to the environment may be subject to federal or local reporting requirements.
PERSONAL PRECAUTIONARY MEASURES	Wear protective clothing during cleanup. See section 8 for recommendations on the use of personal protective equipment. Avoid breathing vapors, mist or gas

SECTION 7 – HANDLING AND STORAGE

HANDLING PROCETURES	Avoid contact with eyes. Avoid ingestion. Use good industrial hygiene practices in handling this product. Wear personal protective equipment. Keep container closed when not in use.
STORAGE NEEDS	Keep container tightly closed. Store in a cool area. Keep away from heat/sparks/open flames/hot surfaces. Do not store with strong oxidizing agents. Do not store in unlabeled containers.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION REQUIREMENTS	General ventilation is recommended. When TLV (Threshold Limit Value over 8 hours of work) is greater than 25 ppm provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective
PROTECTIVE EQUIPMENT	Ensure that eyewash stations are proximal to the work-station location. The selection of personal protective equipment will vary depending on the condition of use
EYE/TYPE	Splash goggles
RESPIRATORY/TYPE	Approved/ certified vapor respirator
GLOVE/TYPE	Nitrile, Vinyl, Latex impervious gloves
FOOTWEAR/TYPE	Boots
BODY/TYPE	Protective clothing is required. Use impervious clothing (apron, coveralls). The selection of personal protective equipment will vary depending on the conditions of use.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE – PHYSICAL STATE	Clear, yellow -greenish thin liquid
ODOUR	Pleasant lemon aroma
ODOUR THRESHOLD (PPM)	22 ppm
PH	11.70 ± 0.4 conc. 10.90 ± 0.4 for 2 % solution
MELTING POINT (°C)	Not available
BOILING POINT (°C)	82°C (180° F) INITIAL
FREEZING POINT (°C)	< -32°C
EVAPORATION RATE	<1.7 (BuAc=1)
FLAMMABILITY	Flammable
FLASH POINT (°C)	12°C (54°F) flash point for Isopropyl alcohol
AUTO IGNITION TEMPERATURE	245°C (473°F) for 2-Butoxyethanol
DECOMPOSITION TEMPERATURE	Not available
VAPOUR DENSITY	Not determined
VAPOUR PRESSURE	@ 25°C) 0.88 mmHg
SOLUBILITY	soluble in water
VISCOSITY	Thin liquid
% VOLATILE BY VOLUME	98 ± 0.5 %
SPECIFIC GRAVITY	0.95 ± 0.03 gm / cm ³

SECTION 10 – STABILITY AND REACTIVITY	
REACTIVITY	This product is stable and non-reactive under normal conditions of use.
CHEMICAL STABILITY	Stable
POSSIBILITY OF HAZARDOUS REACTIONS	No dangerous reactions known under conditions of normal use.
CONDITIONS TO AVOID	Keep away from heat, flame and sparks. Avoid incompatible materials
INCOMPATIBLE MATERIALS	Strong oxidizing materials.
HAZARDOUS DECOMPOSITION PRODUCTS	Carbon Dioxide (CO ₂), Carbon monoxide (CO), Oxides of Nitrogen.

SECTION 11 –TOXICOLOGICAL INFORMATION	
TOXICITY EFFECTS ON ANIMALS	<p>For Isopropyl Alcohol (67-63-0) : Acute Oral Toxicity LD50 (Rat): 5,045 mg/kg . Acute Dermal Toxicity LD50 (Rabbit): 12,800 mg/km.</p> <p>For Alcohols, C9-C11, Ethoxylated (68439-46-3): Acute Oral Toxicity LD50 (Rat): 1400 mg/kg. Acute Dermal LD50 (Rabbit): >5,000 mg/kg.</p> <p>For 2-Butoxyethanol (111-76-2): Acute Oral Toxicity LD50 (Rat): 1,300 mg/kg. Acute Dermal Toxicity LD50 (Rabbit):>5,000 mg/kg. NIOSH PEL-TWA 50 ppm (240 mg/m³) , IDLH (Immediate danger 700 ppm</p> <p>For 2-aminoethanol (141-43-5): Acute Oral Toxicity LD50 (Rat): 1,515 mg/kg. Acute Dermal Toxicity (Rabbit): 2,504 mg/kg. Acute Inhalation LC50 (Rat): >1.3 mg/L/ 6 hours. NIOSH PEL- TWA 3 ppm (6 mg/ m³). IDLH (Immediate danger 30 ppm</p>

TOXIC EFFECTS ON HUMANS	Hazardous in case of ingestion. Skin contact may cause moderate irritation. Eye contact will cause irritation.
CHRONIC EFFECTS ON HUMANS	Prolonged or repeated exposure can cause drying or dermatitis of skin
CARCINOGENICITY	No evidence
TERATOGENICITY	No evidence
MUTAGENICITY	No evidence
REPRODUCTIVE EFFECTS	No evidence

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY DATA	<p>For Isopropyl Alcohol (67-63-0): Acute Aquatic Toxicity to Fish LC50 Fathead minnow (<i>Pimephales promelas</i>): 9,640 mg / L / 96 h. Acute Crustacea EC50: Water flea (<i>Daphnia magna</i>): 5,102 mg / L / 24 h .</p> <p>For Alcohols, C9-C11, Ethoxylated (68439-46-3): Aquatic Toxicity to fish LC50 Fathead minnow (<i>Pimephales promelas</i>): 8.5 mg / L / 96 h. EC50 Water flea (<i>Daphnia magna</i>): 5.3 mg / L / 48 h.</p> <p>For 2-Butoxyethanol (111-76-2): Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50 >100 mg / L in most sensitive species tested). EC50, <i>Daphnia magna</i> (Water flea), static test: 1,550 mg / L / 48 h.</p> <p>For 2- aminoethanol (141-43-5): Toxic to aquatic life. Acute Toxicity to fish LC50: 349 mg/L / 96 hours / <i>Cyprinus carpio</i>, Acute Crustacea LC50, <i>Daphnia magna</i> (Water flea): 65 mg / L / 48 h.</p>
BIODEGRADABILITY	All the ingredients in this formulation are readily biodegradable
PRODUCTS OF DEGRADATION	No data available

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	UN2920
UN PROPER SHIPPING NAME	CORROSIVE LIQUID, FLAMMABLE N.O.S. (Ethanolamine 15-25 %, Isopropyl alcohol 7-15 %
TRANSPORT HAZARD CLASS	CLASS: 8(3)
PACKAGING GROUP	PG: II
ENVIRONMENTAL HAZARDS	NO
TRANSPORT IN BULK, if applicable	NOT AVAILABLE
SPECIAL PRECAUTIONS	Guide to Canadian transportation. Emergency Response Guidebook (ERG): # 132

SECTION 15 – REGULATORY INFORMATION	
SAFETY HEALTH & ENVIRONMENTAL REGULATIONS SPECIFIC TO THE PRODUCT	<p>U.S. TSCA inventory Status: All components of this product are either on the Toxic Substances Control Act (TSCA) INVENTORY List or exempt.</p> <p>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.</p>

SECTION 16 – OTHER INFORMATION	
PREPARED BY:	Gus Kaklamanos - Chemist
TELEPHONE NO.:	416-261-7182
DATE OF THE LATEST REVISION OF SDS:	October 5, 2017

NOTE: Major ingredients of this formulation are: 2-Aminoethanol and 2-Butoxyethanol. Both these ingredients are very slow in evaporation rate. Under typical conditions of use and after dilution this product will not create excessive amounts of vapors or fumes.