Advance Chemicals Ltd.

Safety Data Sheet

Section 01 - Identification

Product Identifier	Quick Strip
Other Means of Identification	None
Product Use and Restrictions on Use	Wax remover for floor finishes.
Initial Supplier Identifier	Advance Chemicals Ltd. 1500 Quebec Avenue Saskatoon, SK. Canada S7K 1V7
Prepared By	ClearTech Industries Inc. Technical Writer Phone: 1 (800) 387-7503
24-Hour Emergency Phone	Phone: 1 (306) 664 – 2522

Section 02 - Hazard Identification

GHS-Classification

Acute Toxicity-Dermal	Category 4
Acute Toxicity-Inhalation	Category 4
Skin Corrosion/Irritation	Category 1A
Serious Eye Damage/Irritation	Category 1

Physical Hazards

Corrosive to Metals	Category 1

Danger

Hazards Statements

H312 – Harmful in contact with skin.
H332 – Harmful if inhaled.
H314 – Causes severe skin burns and eye damage.
H290 – May be corrosive to metals.

Pictograms

Precautionary Statements
P234 – Keep only in original container.
P405 – Store locked up.
P271 – Use only outdoors or in a well-ventilated area.
P260 – Do not breathe mist, vapours or spray.
P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P280 – Wear protective gloves, protective clothing, eye protection, and face protection.
P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 – Wash contaminated clothing before reuse.
P310 – Immediately call a POISON CENTER or doctor/physician.
P362 – Take off contaminated clothing and wash before reuse.
P264 – Wash hands thoroughly after handling.
P301 +P330 + P331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P390 – Absorb spillage to prevent material damage.
P501 – Dispose of contents/container in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 03 - Composition / Information on Ingredients

Chemical Name	CAS Number	Weight %	Unique Identifiers
Glycol Ether EB	111-76-2	15-30%	
Sodium Hydroxide	1310-73-2	1-15%	
Sodium Xylene Sulfonate	1300-72-7	1-15%	
Water and/or ingredients not classified as hazardous under the Hazardous Products Regulations		Balance	

Section 04 - First Aid Measures

Inhalation
Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek immediate medical attention.

Skin Contact / Absorption
Remove contaminated clothing. Rinse skin with lukewarm, gently flowing water for at least 60 minutes. DO NOT INTERRUPT FLUSHING. Seek immediate medical attention. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

Eye Contact
Immediately flush eye(s) with lukewarm, gently flowing water for at least 60 minutes, while forcibly holding the eyelid(s) open to ensure complete irrigation of the eye tissue. If a contact lens is present, remove only if easy to do so. Neutral saline solution may be used as soon as it is available. Seek immediate medical attention.

Ingestion
NEVER give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth with water. Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek immediate medical attention.

Additional Information
This product is toxic. Take proper precautions to ensure your own safety before assisting others. Avoid mouth-to-mouth contact by using mouth guards or shields.

Section 05 - Fire Fighting Measures

Suitable Extinguishing Media
Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog. Special multipurpose, alcohol resistant fire-fighting foams are recommended for use on all water soluble liquids and/or polar solvent type liquids, like 2-butoxyethanol.

Unsuitable Extinguishing Media
Not Available

Specific Hazards Arising From the Chemical	Combustion and thermal decomposition products: Carbon monoxide and carbon dioxide. Incomplete combustion may also produce irritating fumes and acrid smoke. Can accumulate in a confined space creating a toxicity hazard. Closed containers may rupture violently when heated and suddenly release large amounts of product when exposed to fire or excessive heat for a sufficient period of time.
Special Protective Equipment and Precautions for Fire-Fighters	Wear NIOSH-approved self-contained breathing apparatus and protective gear.
Further Information	Not Available

Section 06 - Accidental Release Measures

Personal Precautions / Protective Equipment / Emergency Procedures	Wear appropriate personal protective equipment. Ventilate area. Only enter area with PPE. Stop or reduce leak if safe to do so. Flush with water to remove any residue.
Environmental Precautions	Prevent material from entering waterways, sewers or confined spaces.
Methods and Materials for Containment and Cleaning Up	SMALL SPILLS: Soak up spill with absorbent material which does not react with spilled chemical. Put material in suitable, covered, labelled containers. Flush area with water. LARGE SPILLS: Contact fire and emergency services and supplier for advice.

Section 07 - Handling and Storage

Precautions for Safe Handling	This substance is COMBUSTIBLE, VERY TOXIC LIQUID. It is also a SKIN ABSORPTION HAZARD and an EYE and SKIN IRRITANT. Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area out of direct sunlight and away from open flames, sparks, heat and other ignition sources. Prevent prolonged storage with exposure to air and light.
Incompatibilities	Air, light and strong oxidizing agents.

Section 08 - Exposure Controls and Personal Protection

Exposure Limit(s)

Component	Regulation	Type of Listing	Value
Glycol Ether EB	ACGIH	TLV-TWA	20ppm
	OSHA	PEL-TWA	25ppm
Sodium Hydroxide	ACGIH	TLV-C	2mg/m^3
	OSHA	PEL-C	2mg/m^3

Engineering Control(s)

Ventilation Requirements	Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions must be provided in accordance with all fire codes and regulatory requirements. Supply sufficient replacement air to make up for air removed by exhaust systems.
Other	Emergency shower and eyewash must be available and tested in accordance with regulations and be in close proximity.

Protective Equipment

Eyes/Face	Chemical goggles, full-face shield, or a full-face respirator is to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury.

Hand Protection	Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.
Skin and Body Protection	Body suits, aprons, and/or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse. Impervious boots of chemically resistant material should be worn at all times. No special footwear is required other than what is mandated at place of work.
Respiratory Protection	NIOSH RECOMMENDATIONS FOR 2-BUTOXYETHANOL CONCENTRATIONS IN AIR: Up to 50ppm: (APF=10) Any chemical cartridge respirator with organic vapor cartridge(s); or any supplied-air respirator. Upt o 125ppm: (APF=50) Any chemical cartridge respirator with a full face piece and organic vapor cartridges; or any air-purifying, full-face piece respirator (gas mask) with a chin-style, front-or back- mounted organic vapou canister; or any powered air-purifying respirator with a tight-fitting face piece and organic vapor cartridge; or any self-contained breathing apparatus with a full face piece; or any supplied-air respirator with a full face piece. Up to 700ppm: (APF=2000) Any supplied-air respirator that has a full face piece and is operated in a cpressure-demand or other positive-pressure mode. Emergency or planned entry into unknown concentrations or IDLH conditions: (APF=10000) Any self-contained breathing apparatus that has a full face piece and is operated in a pressure-demand or other breathing apparatus that has a full face piece an is operated in a pressure-demand or other positive-pressure mode; or any supplied-air respirator that has a full face piece and is operated in a pressure-demand or other positive-pressure breathing apparatus. Escape: (APF=50) Any air-purifying, full-face piece respirator (gas mask) with a chin-style, front- or back- mounted organic vapor canister; or any appropriate escape-type, self-contained breathing apparatus.
Thermal Hazards	Not Available

Section 09 - Physical and Chemical Properties

Appearance

Physical State	Liquid
Colour	Bright yellow
Odour	Lemon
Odour Threshold	Not Available

Property

pH	11.8
Melting Point/Freezing Point	Not Available
Initial Boiling Point and Boiling Range	Not Available
Flash Point	Not Applicable
Evaporation Rate	Not Available
Flammability	Non-flammable
Upper Flammable Limit	Not Applicable

Lower Flammable Limit	Not Applicable
Vapour Pressure (mm Hg, 20°C)	Not Available
Vapour Density (Air=1)	Not Available
Relative Density	Not Available
Solubility(ies)	Soluble in water.
Partition Coefficient: n-octanol/water	Not Available
Auto-ignition Temperature	Not Available
Decomposition Temperature	Not Available
Viscosity	Not Available
Explosive Properties	Not Available
Specific Gravity (Water=1)	1
% Volatiles by Volume	Not Available
Formula	Mixture
Molecular Weight	Not Available

Section 10 - Stability and Reactivity

Reactivity	Not Available
Stability	Normally stable. May contain an antioxidant. Sodium hydroxide rapidly absorbs carbon dioxide and water from the air forming sodium carbonate.
Possibility of Hazardous Reactions	None reported. Peroxides may accumulate at hazardous levels during distillation, evaporation, or any other method that will cause concentration of the peroxides.
Conditions to Avoid	Temperatures above 62°C, heat, sparks, open flames, other ignition sources, water.
Incompatible Materials	Air, light and strong oxidizing agents.
Hazardous Decomposition Products	May form peroxides on prolonged exposure to air. Light and/or heat increase the rate of decomposition. The peroxides tend to decompose to carbonyl compounds. Carbon monoxide and carbon dioxide may form.

Section 11 - Toxicological Information

Acute Toxicity Estimate

Component	Oral LD_{50}	Dermal LD_{50}	Inhalation LC_{50}
Quik Strip	2229 mg/kg	1000 mg/kg	1935 ppm

This product has been classified in accordance with the Hazardous Products Regulations using ATE formula documented in the GHS standard.

Chronic Toxicity – Carcinogenicity

Component	IARC
Quick Strip	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

Skin Corrosion/Irritation	Corrosive. Capable of producing severe burns, blisters, ulcers and permanent scarring. Sodium hydroxide can penetrate to deeper layers of skin and corrosion will continue until removed.
Ingestion	Ingesting large amounts may cause symptoms of central nervous system depression and possibly effects related to destruction of red blood cells.
Inhalation	Very toxic. Affects the central nervous system causing headaches, nausea, dizziness, drowsiness, and confusion, and may cause loss of consciousness and possibly death.
Serious Eye Damage/Irritation	Corrosive. Capable of producing severe eye burns and permanent injury, including blindness.
Respiratory or Skin Sensitization	Not expected to be a skin sensitizer.
Germ Cell Mutagenicity	Not expected to be mutagenic.
Reproductive Toxicity	Not known to cause reproductive toxicity.
STOT-Single Exposure	Not Available
STOT-Repeated Exposure	Not Available
Aspiration Hazard	Not Available
Synergistic Materials	Not Available

Section 12 – Ecological Information

Ecotoxicity

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Glycol Ether EB	Not Available	LC_{50}(Cyprindon variegatus, 96hr): 116mg/L	LC_{50}(Daphnia magna, 24hr): 1720mg/L
Sodium Hydroxide	Not Available	LC_{50}(Gambusia affinis, 96hr): 125mg/L	EC_{50}(Ceriodaphnia dubia, 48hr): 40.38mg/L

Biodegradability	Glycol ether EB is expected to biodegrade rapidly. Sodium hydroxide is not biodegradable.
Bioaccumulation	Sodium hydroxide does not bioaccumulate.
Mobility	Sodium hydroxide and glycol ether EB are very mobile in soil and very soluble in water.
Other Adverse Effects	Sodium hydroxide is toxic to aquatic life through an immediate raise in pH to toxic levels. Glycol ether EB is not expected to cause adverse effects in the aquatic environment.

Section 13 – Disposal Considerations

Waste From Residues/Unused Products	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.
Contaminated Packaging	Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Section 14 – Transport Information

UN Number	UN2922
UN Proper Shipping Name	CORROSIVE LIQUID, TOXIC, N.O.S. (Glycol Ether EB, Sodium Hydroxide)

Transport Hazard Class(es)	8 (6.1)
Packaging Group	II
Environmental Hazards	Not listed as a marine pollutant under Canadian TDG Regulations, schedule III.
Special Precautions	Not Available
Transport in Bulk	Not Available

Additional Information

Packing Group	Limited Quantity Index
I	0
II	1 L
III	5 L

TDG

Other Secure containers (full and/or empty) with suitable hold down devises during shipment and ensure all caps, valves, or closures are secured in the closed position.

TDG PRODUCT CLASSIFICATION: This product has been classified on the preparation date specified at section 14 of this MSDS / SDS, for transportation in accordance with the requirements of part 2 of the Transportation of Dangerous Goods Regulations. If applicable, testing and/or published test data regarding the classification of this product are listed in the references at section 16 of this MSDS / SDS.

Section 15 – Regulatory Information

NOTE: THE PRODUCT LISTED ON THIS SDS HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CANADIAN CONTROLLED PRODUCTS REGULATIONS. THIS SDS CONTAINS ALL INFORMATION REQUIRED BY THOSE REGULATIONS.

Section 16 – Other Information

Preparation Date November 13, 2015

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

Attention: Receiver of the chemical goods / SDS coordinator

As part of our commitment to the Canadian Association of Chemical Distributors (CACD) Responsible Distribution® initiative, ClearTech Industries Inc. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users. ClearTech will send any available supplementary handling, health, and safety information to you at your request.

If you have any questions or concerns please call our customer service center.

References:

1) CHEMINFO
2) eChemPortal
3) TOXNET
4) Transportation of Dangerous Goods Canada
5) HSDB
6) ECHA

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