2018

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MSDS | Plastic, Acrylic Cutting Compound – Application A

MATERIAL SAFETY DATA SHEET

PLASTIC AND ACRYLIC CUTTING SOLUTION / A

Non-Hazardous Chemical, NON-Dangerous Goods

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PLASTIC and ACRYLIC CUTTING COMPOUND / APPLICATION A
PRODUCT CODE: 14011, 14012, 14013, 14014
MANUFACTURER: Glass Polish Ltd
DIVISION: Abrasive System Division
ADDRESS: Glass Polish House
Ratoath Road
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EMERGENCY PHONE: 00353 1809 7733 0044 800324 7937
PRODUCT USE: Polishing and clean-up plastic and acrylic surfaces.

SECTION 2. HAZARD IDENTIFICATION

OSHA HAZARD COMMUNICATION (GLOBAL HARMONIZATION) AND CANADIAN WHMIS LABELING AND CLASSIFICATION:

This product does not meet the criteria for classification as hazardous under OSHA's Hazard Communication Standard (29CFR §1910.1200), and WHMIS (HPR).

Labeling according to Regulation (EC) No 1272/2008

Pictogram: **Signal word: Warning**
Hazzard Statements: H319 Causes eye irritation
H315 Causes skin irritation

SECTION 3: COMPOSITION and INFORMATION ON INGREDIENTS

SUBSTANCE or MIXTURE: Mixture
CHEMICAL NAME/CLASS: Organic Liquid/Aluminum Oxide/Water Mixture

Chemical Name	CAS#	EINECS	% w/w	Classification
Proprietary Thickening Copolymer Dispersion:	Mixture	Mixture	1-2%	Manufacturer Classification of Dispersion Classification: Serious Eye Damage, Cat. 1 Hazard Statement(s): H318 Hazard Pictogram: GHS05
Petroleum distillates, hydrotreated light*	64742-47-8	265-149-8	0.1-0.4%	Classification: Aspiration Tox. Cat. 1 Hazard Statement(s): H304 Hazard Pictogram: GHS08
Amides, C16-18 and C18 unsaturated, N,N-bis(hydroxyethyl)*	68603-38-3	271-653-9	0.01-0.1%	Classification: Serious Eye Damage, Cat. 1 Hazard Statement(s): H318 Hazard Pictogram: GHS05
Copolymer	Proprietary	None	0.75-1.78%	Classification: none
Dipropylene Glycol Methyl Ether	34590-94-8	252-104-2	3-7%	Not Applicable
Calcined Kaolin Clay	66402-68-4	266-340-9	3-7%	Not Applicable
Aluminum Oxide	1344-28-1	215-691-6	7-13%	Not Applicable

Water and other components. Each of the other components is present in less than 1 percent concentration (or 0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens).	Balance	Not Applicable

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES: Contaminated individuals must be taken for medical attention if any adverse effects occur. Take a copy of label and SDS to health professional with victim.
SKIN EXPOSURE: If this product contaminates the skin, begin decontamination with running water. Minimum flushing is for 20 minutes.
The contaminated individual must seek medical attention if any adverse effects occur after flushing.

EYE EXPOSURE: If this product enters the eyes, open contaminated individual's eyes while under gently running water. Use enough force to open eyelids. Have contaminated individual "roll" eyes. Minimum flushing is for 20 minutes. Contaminated individual must seek medical attention if adverse effect continues after flushing.
INHALATION: If mists or sprays of this product are inhaled, remove victim to fresh air. The contaminated individual must seek medical attention if any adverse effects occur.
INGESTION: If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION.
If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow. If victim is convulsing, maintain an open airway and obtain immediate medical attention.
MOST IMPORTANT SYMPTOMS/EFFECTS (ACUTE & CHRONIC): See Sections 2 (Hazard Identification) and 11 (Toxicological Information) for description of possible health effects from exposure to this product.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Dermatitis and other pre-existing skin disorders may be aggravated by prolonged overexposure to this product.
INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT IF NEEDED: Treat symptoms and eliminate overexposure.

SECTION 5: FIRE FIGHTING MEASURE

FIRE EXTINGUISHING MEDIA: Use extinguishing material suitable to the surrounding fire, including halon, carbon dioxide, dry chemical and ABC class.

UNSUITABLE FIRE EXTINGUISHING MEDIA: None known.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE: When involved in a fire, this material may decompose and produce irritating vapors and toxic gases (including silicon, aluminum and carbon oxides).
Explosion Sensitivity to Mechanical Impact: Not applicable.
Explosion Sensitivity to Static Discharge: Not applicable.

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS: Structural fire-fighters must wear Self-Contained Breathing Apparatus and full protective equipment. Chemical resistant clothing may be necessary. Move containers from fire area if it can be done without risk to personnel. Water spray can be used to cool fire-exposed containers. If possible, prevent runoff water from entering storm drains, bodies of

water, or other environmentally sensitive areas. Rinse contaminated equipment thoroughly with soapy water before returning such equipment to service.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS AND EMERGENCY PROCEDURES: Proper protective equipment should be used. In the event of a spill, clear the area and protect people.

PERSONAL PROTECTIVE EQUIPMENT: Use proper protective equipment and non-sparking tools and equipment. Small Spills: Wear rubber gloves, splash goggles, and appropriate body protection.

Large Spills: Minimum Personal Protective Equipment should be rubber gloves, rubber boots, face shield, and Tyvek suit.

METHODS FOR CLEAN-UP AND CONTAINMENT: Avoid allowing contact with water on spilled substance or inside containers.
Small Spills: Absorb spilled material with polypads or other suitable, non-reacting sorbent, avoiding generation of aerosols, wearing gloves, goggles and apron. Place spilled material in appropriate container for disposal, sealing tightly. Remove all residue before decontamination of spill area.
Large Spills: Access to the spill area should be restricted. Spread should be limited by diking spill area. Absorb spilled liquid with polypads or other suitable absorbent materials.
All Spills: Place all spill residue in a double plastic bag or other containment and seal. Decontaminate the area thoroughly. Do not mix with wastes from other materials. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations). For spills on water, contain, minimize dispersion and collect. Dispose of recovered material and report spill per regulatory requirements.
ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. Run-off water may be contaminated by other materials and should be contained to prevent possible environmental damage.

REFERENCE TO OTHER SECTIONS: See information in Section 8 (Exposure Controls – Personal Protection) and Section 13 (Disposal Considerations) for additional information.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: All employees who handle this material should be trained to handle it safely. Keep container tightly closed when not in use. As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors or mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

CONDITIONS FOR SAFE STORAGE: Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged. Empty containers may contain residual product; therefore, empty containers should be handled with care.

SPECIFIC END USE(S): This product is used for cleaning and restoring plastic surfaces. Follow all industry standards for use of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact with vapors, mists, or spray.
The following eye protection(s) are recommended: Safety Glasses with side shields.

8.2.2 Skin Protection

Avoid prolonged or repeated skin contact. Gloves not normally required.

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray.
An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for particulates.
For questions about suitability for a specific application, consult with your respirator manufacturer.

8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8.3 EXPOSURE GUIDELINES

None Established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Viscous liquid.
COLOR: Opaque, white.
MOLECULAR FORMULA: Mixture.
MOLECULAR WEIGHT: Mixture.
ODOR: Lemon.
ODOR THRESHOLD: Not established.
pH: 9-10.

MELTING/FREEZING POINT: Not established.
BOILING POINT: Not established.
FLASH POINT (Pensky-Martens Closed Tester): >93.3°C (200°F).
EVAPORATION RATE (nBuAc = 1): Not established; based on ingredients the comparative evaporation rate is expected to be <1.
SPECIFIC GRAVITY (23°C, water = 1): 1.188
SOLUBILITY: Soluble in water except for inorganic constituents.
COEFFICIENT OF OIL/WATER DISTRIBUTION (PARTITION COEFFICIENT): Not established.
AUTOIGNITION TEMPERATURE: Not established.
VISCOSITY (cP): 50000-100000

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Not considered a reactivity hazard.
CHEMICAL STABILITY: Stable under typical, environmental conditions in a workplace in the absence of contaminates.
DECOMPOSITION PRODUCTS: Combustion: Silicon, aluminum and carbon oxides. Hydrolysis: None known.
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong oxidizers, water-reactive materials.
POSSIBILITY OF HAZARDOUS REACTIONS: None known.
CONDITIONS TO AVOID: Exposure to incompatible chemicals

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY: Not Classified.
Data for Dipropylene Glycol Methyl Ether:
LD50 (Oral-Rat) 5400 µL/kg
LD50 (Oral-Rat) 5.5 mL/kg
LD50 (Skin-Rabbit) 10 mL/kg
TCLo (Inhalation-Mammal-Species Unspecified) 3000 mg/m3 : Behavioral: general anesthetic

Data for Aluminum Oxide:
LD50 (Intraperitoneal-Mouse) > 3600 mg/kg

SKIN CORROSION/IRRITATION: Not Classified.

SERIOUS EYE DAMAGE/IRRITATION: Not Classified.

Data for Dipropylene Glycol Methyl Ether:
Standard Draize Test (Eye-Human) 8 mg: Mild
Standard Draize Test (Eye-Rabbit) 500 mg/24 hours: Mild
Open Irritation Test(Eye-Rabbit) 500 mg: Mild

RESPIRATORY or SKIN SENSITIZATION: Not Classified.

GERM CELL MUTAGENICITY: Not Classified.

CARCINOGENICITY: Not Classified.

ALUMINUM OXIDE: MAK-2 Compound (Substances which are considered to be carcinogenic) Fibrous forms only; ACGIH-TLV-A4 Compound (Not Classifiable as a Human Carcinogen).

REPRODUCTIVE TOXICITY:	Not Classified.
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE):	Not Classified.
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE):	Not Classified.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: This product has not been tested for ecotoxicity.

PERSISTENCE AND BIODEGRADABILITY: This product has not been tested for persistence or biodegradability.
Environmental data for components of this product are available as follows:
DIPROPYLENE GLYCOL METHYL ETHER:
Solubility: Miscible with water.
Biodegradation: Biological Oxygen Demand values after five, ten, or thirty days for Dipropylene Glycol Monomethyl Ether were reported as 0, 0, and 31%, respectively (expressed as percentage of theoretical oxygen demand). The type of inoculum, however, was not specified. This delayed oxygen demand suggests that an acclimation period is required in order for a Dipropylene Glycol Monomethyl Ether - degrading population to become established. Thus, intermittent releases of Dipropylene Glycol Monomethyl Ether to the environment or to wastewater treatment plants may also require an acclimation period before significant amounts of Dipropylene Glycol Monomethyl Ether are removed. No information was found on the biodegradation of Dipropylene Glycol Monomethyl Ether in soil or natural waters.
Bioconcentration: Because Dipropylene Glycol Monomethyl Ether is infinitely soluble in water, it will not be expected to bioconcentrate in aquatic organisms.

BIO-ACCUMULATION POTENTIAL: This product has not been tested for bio-accumulation potential.

MOBILITY: This product has not been tested for mobility in soil.

OTHER ADVERSE EFFECTS: Components of this product are not listed as having ozone depletion potential.

ENVIRONMENTAL EXPOSURE CONTROLS: Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: It is the responsibility of the generator to determine at the time of disposal whether the product meets the criteria of a hazardous waste per regulations of the area in which the waste is generated and/or disposed of. Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Shipment of wastes must be done with appropriately permitted and registered transporters.

DISPOSAL CONTAINERS: Waste materials must be placed in and shipped in impermeable containers (such as poly or metal waste pails or drums). Permeable cardboard containers are not appropriate and should not be used. Ensure that any required marking or labeling of the containers be done to all applicable regulations.
PRECAUTIONS TO BE FOLLOWED DURING WASTE HANDLING: Wear proper protective equipment when handling waste materials.

SECTION 14: TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION REGULATIONS: This product is NOT classified as dangerous goods, DOT regulations, under 49 CFR 172.101.

INTERNATIONAL AIR TRANSPORT ASSOCIATION DESIGNATION: This material is NOT considered as dangerous goods, per rules of IATA.

INTERNATIONAL MARITIME ORGANIZATION (IMO): This product is NOT considered as dangerous goods, per rules of the IMO.

TRANSPORT IN BULK ACCORDING TO THE IBC CODE: Not applicable.

ENVIRONMENTAL HAZARDS: This product does not meet the criteria of environmentally hazardous according to the criteria of the UN Model Regulations (as reflected in the IMDG Code, ADR, RID, and ADN); components are not specifically listed in Annex III under MARPOL 73/78.

SECTION 15: REGULATORY INFORMATION

POISONS SCHEDULE

S5

REGULATIONS

Regulations for ingredients

distillates, petroleum, middle, hydrotreated (CAS: 64742-46-7) is found on the following regulatory lists;

- "UK Hazardous Substances","UK High Volume Industrial Chemical List (HVICL)",
- "UK Inventory of Chemical Substances (AICS)", "International Council of Chemical Associations (ICCA) - High Production Volume List","OECD Representative List of High Production Volume (HPV) Chemicals"

distillates, petroleum, light, acid-treated (CAS: 64742-14-9) is found on the following regulatory lists;

- "UK Hazardous Substances","UK Inventory of Chemical Substances (AICS)","OECD Representative List of High Production Volume (HPV) Chemicals"

glycerol (CAS: 56-81-5) is found on the following regulatory lists;

- "UK Exposure Standards","UK High Volume Industrial Chemical List (HVICL)",

- "UK Inventory of Chemical Substances (AICS)",

"UK Therapeutic Goods Administration (TGA) Substances that may be used as active ingredients in Listed medicines", "CODEX General Standard for Food Additives (GSFA) - Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with GMP","GESAMP/EHS Composite List - GESAMP Hazard Profiles","IMO IBC Code Chapter 18: List of products to which the Code does not apply","IMO MARPOL 73/78 (Annex II) - List of Other Liquid Substances", "International Council of Chemical Associations (ICCA) - High Production Volume List","OECD Representative List of High

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification

Health: 1 **Flammability:** 0 **Reactivity:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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