SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

PRODUCT NAME	**BDE 1002 BIODEGRADABLE ETCHER™**
PRODUCT USE	Used to Etch Concrete
MANUFACTURER'S NAME	**IMCO Technologies Inc.** 6254 Skyway Rd, PO Box 915 Tel 1-877-957-4626 3909 Witmer Rd Suite 1014 Smithville ON L0R 2A0 Niagara Falls NY 14305
EMERGENCY NUMBER	613-996-6666 OR *666 CANUTEC 1-800-535-5053 UNITED STATES POISON INFORMATION CENTRE

2. HAZARDS IDENTIFICATION



GHS CLASSIFICATION: Health 5, Flammability 5, Reactivity 3

ROUTE OF ENTRY	Absorption, Eye contact, Ingestion, Inhalation, Skin contact
CARCINOGENIC STATUS	Not considered carcinogenic by NTP, IARC, and OSHA.
TARGET ORGANS	Eye, Skin, and Central Nervous System
HEALTH EFFECTS – EYE	Liquid, mist or vapor will cause irritation and possibly corneal damage.
HEALTH EFFECTS – SKIN	Material will cause mild irritation. Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis
HEALTH EFFECTS – INGESTION	Aspiration during swallowing or vomiting may severely damage the lungs. Swallowing may have the following effects: irritation of mouth, throat and digestive tract..
HEALTH EFFECTS – INHALATION	Exposure to vapor may have the following effects: eye irritation, irritation to nose, throat and respiratory tract. Exposure to vapor at high concentrations may have the following effects: dizziness, headache, lung inflammation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

HYDROCHLORIC ACID (BUFFERED) (Hydrochloric acid salt with organic base)	CAS 7647-01-0 WEIGHT 1-10 %

4. FIRST AID MEASURES

FIRST AID – INHALATION	Remove from exposure. If there is difficulty in breathing, give oxygen. Obtain medical attention immediately.
FIRST AID – SKIN	Immediately flood the skin with large quantities of water, preferably under a shower. Contaminated clothing should be washed or dry-cleaned before re-use. Obtain medical attention if blistering occurs or redness persists.
FIRST AID – EYE	Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.
FIRST AID – INGESTION	Have victim drink 1 – 3 glasses of water to dilute stomach contents. DO NOT INDUCE VOMITING. If there is difficulty in breathing give oxygen. Obtain medical attention immediately.

INFORMATION FOR DOCTOR
Most important symptoms and effects, both acute and delayed.
No further relevant information
Indications of any immediate medical attention and special treatment needed.
No further relevant information available.

5. FIRE FIGHTING MEASURES

CONDITIONS OF FLAMMABILITY	Non-flammable
EXTINGUISHING MEDIA	N/A
SPECIAL HAZARDS OF PRODUCT	This product may give rise to hazardous fumes in a fire.
PROTECTIVE EQUIPMENT FOR FIRE FIGHTING	Wear full protective clothing.
EXPLOSION DATA – SENSITIVITY TO IMPACT	NOT EXPLOSIVE
EXPLOSION DATA – SENSITIVITY TO STATIC DISCHARGE	NOT EXPLOSIVE

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES	Contain and absorb using earth, sand or other inert material. Transfer into suitable containers for recovery or disposal.
PERSONAL PRECAUTIONS	Eliminate all sources of ignition. Vapors can accumulate in low areas. Consider need for evacuation.
ENVIRONMENTAL PRECAUTIONS	Prevent the material from entering drains or watercourses. Notify authorities if spill has entered watercourse or sewer or has contaminated soil or vegetation.

REFERENCES TO OTHER SECTIONS
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment
See Section 13 for disposal information

7. HANDLING AND STORAGE

HANDLING	Use in well-ventilated area. Use local exhaust ventilation. Avoid inhaling vapor. Avoid contact with eyes, skin and clothing. Keep container tightly closed when not in use.
STORAGE	Store away from sources of heat or ignition. Storage area should be: cool, dry, and well ventilated, out of direct sunlight, away from incompatible materials.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSION AND FIRE
Keep ignition sources away – Do not smoke Protect against electrostatic charges

SPECIFIC END USE(S)
No further relevant information available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROL MEASURES	Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.
RESPIRATORY PROTECTION	The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator. The following protection is recommended: Respirator equipped with an organic vapor cartridge.
HAND PROTECTION	Full-length gloves should be worn during all handling operations. Neoprene gloves.
EYE PROTECTION	Chemical goggles should be worn during all handling operations to protect against splashing.
BODY PROTECTION	Discard contaminated protective equipment. If there is danger of splashing, wear overalls or apron.
PROTECTION DURING APPLICATION	During application, adequate ventilation must be provided. Mix in a well-ventilated area. If ventilation is poor, wear respiratory protection. During application, flames and unsealed lights must be extinguished and adequate ventilation must be provided.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
ODOUR & APPEARANCE	Clear
ODOR THRESHOLD (ppm)	NA
SPECIFIC GRAVITY	0.98- 1
VAPOR DENSITY (AIR = 1)	N/D
VAPOR PRESSURE at 20°C	N/D
EVAPORATION RATE	N/D
BOILING POINT (°C/°F)	100°C (212°F)
FREEZING POINT (°C/°F)	-5–0°C (23°F-32°F)
pH	1
COEFFICIENT OF WATER/OIL DISTRIBUTION	Water soluble
SOLUBILITY IN WATER	Completely water soluble
VOC (g/L)	< 5 (non-corrosive)
FLASH POINT (PMCC) (°C/°F)	100°C(212°F)
UPPER FLAMMABLE LIMIT %VOL	N/A
LOWER FLAMMABLE LIMIT %VOL	N/A
AUTOIGNITION TEMP (°C/°F)	N/A Does not ignite

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal conditions
CONDITIONS TO AVOID	High temperatures
MATERIALS TO AVOID	Strong oxidizing agents, Alkalis, Acids, Bases
HAZARDOUS POLYMERIZATION	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS	Hydrogen chloride

11. TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE	Vapors may be irritating to the nose, throat, upper respiratory tract and lungs.
EFFECTS OF CHRONIC EXPOSURE	Irritation or hardening of skin.
EXPOSURE LIMITS	NA
IRRITANCY	Mild irritation expected
SENSITIZATION	No
CARCINOGENICITY	No known effect in humans
REPRODUCTIVE TOXICITY	No adverse reproductive effects as far as are known. However, full testing has not been conducted on this product.
TERATOGENICITY	NA
MUTAGENICITY	NA
TOXICOLOGICALLY SYNERGISTIC PRODUCTS	NA

12. ECOLOGICAL INFORMATION

MOBILITY	Most of the product is well absorbed onto soils or sediments. Some of the product will leach into soil. The product is freely soluble in water.
PERSISTENCE/DEGRADABILITY	The product is expected to biodegrade
BIO-ACCUMULATION	No bioaccumulation expected
ECOTOXICITY	Moderately toxic due to pH change (low pH)

RESULTS of PBT and vPvB Assessment
PBT: N/A
vPvB: N/A

13. DISPOSAL CONSIDERATIONS

PRODUCT DISPOSAL	Absorb product on an inert material (sand or earth) and transfer absorbed product into a waste container. Do not incinerate closed containers. Dispose of in accordance with all applicable local and national regulations.
CONTAINER DISPOSAL	Labels should not be removed from containers until they have been cleaned. Do not cut, puncture or weld on or near to the container. Do not incinerate closed containers. Empty containers may contain hazardous residues. Dispose of containers with care.

UNCLEANED PACKAGINGS
Recommendation: Disposal must be made according to official regulations

14. TRANSPORTATION INFORMATION

CANADA	**TDG CLASSIFICATION**
HAZARD LABEL 8	REGULATED in containers less than 450 liters as per package exemption 1.33 for domestic shipping.
EXPORT	
DOT CFR 172.101 DATA	Not regulated
UN PROPER SHIPPING NAME	Hydrochloric acid (buffered)
UN NUMBER	1789
UN PACKAGING GROUP	II
FLASH POINT	Does not flash
HAZARDOUS MATERIAL	Hydrochloric acid (buffered)
HAZARD LABEL	8
MARINE POLLUTANT	No
SPECIFIC PRECAUTIONS FOR USER	N/A

15. REGULATORY INFORMATION

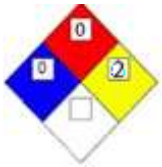
WHMIS CLASSIFICATION:
CEPA STATUS (DSL):
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by CPR.

16. OTHER INFORMATION



HMIS hazard ID:

0- MINIMAL;
1- SLIGHT;
2- MODERATE;
3- SERIOUS;
4- SEVERE



NFPA Hazard ID:

0- MINIMAL
1- SLIGHT
2- MODERATE
3- SERIOUS
4- SEVERE

ABBREVIATION Key		
	N/A:	Denotes no applicable information found or available
	CAS#:	Chemical Abstracts Service Number
	ACGIH:	American Conference of Governmental Industrial Hygienists
	OSHA:	Occupational Safety and Health Administration
	TLV:	Threshold Limit Value
	PEL:	Permissible Exposure Limit
	STEL:	Short Term Exposure Limit
	NTP:	National Toxicology Program
	IARC:	International Agency for Research on Cancer
	R:	Risk
	S:	Safety
	LD50:	Lethal Dose 50%
	LC50:	Lethal Concentration 50%

PREPARED BY:	IMCO Technologies Inc.
SDS REVISION DATE	November 1, 2026

Provided data is offered in good faith as typical values and not as a product specification. No warranty, either express or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable, however, each user should review these recommendations.