

ISSUE DATE: September 2013

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VERSION: 1

1. IDENTIFICATION

PRODUCT IDENTIFIER

PRODUCT NAME BLUE BANDIT

OTHER MEANS OF IDENTIFICATION

Product Code E6-LO

Recommended Uses Low Acid Bowl Cleaner

SDS-SUPPLIER INFORMATION

SUPPLIER ADDRESS E-ZOIL Products, Inc.
DBA Emulso
2750 Kenmore Avenue
Tonawanda, NY 14150

EMERGENCY TELEPHONE NUMBER

COMPANY PHONE NUMBER (716) 854-2889
COMPANY FAX NUMBER (716) 854-2809
24-HOUR EMERGENCY TELEPHONE (ACCOUNT #8686)
NORTH AMERICA 800-535-5053
INTERNATIONAL 352-323-3500

2. HAZARDS IDENTIFICATION

CLASSIFICATION

Skin corrosion/irritation Category 1B
Serious eye damage/eye irritation Category 1
Corrosive to Metals Category 1

SIGNAL WORD: Danger

HAZARD STATEMENTS



HAZARD STATEMENTS
1. Causes severe skin burns and eye damage
2. Harmful if swallowed
3. May be corrosive to metals

APPEARANCE Blue opaque liquid

PHYSICAL STATE Liquid

PRECAUTIONARY STATEMENTS

PREVENTION	Do not breathe dust/fume/gas/ mist/ vapors/ spray Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Wear protective gloves/ protective clothing/ eye protection/ face protection
RESPONSE	Immediately call poison center or doctor/ physician
IF SWALLOWED	Call POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.
IF IN EYES	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician
IF ON SKIN/HAIR	Immediately remove all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse.
IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician.
IF EXPOSED/CONCERNED	Get medical advice/ attention.
STORAGE	Store locked-up.
DISPOSAL	Dispose of contents/container to an approved waste disposal plant.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)	N/A
OTHER INFORMATION	N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WEIGHT - %
Hydrochloric acid	7647-01-0	5 - 10
Water	7732-18-5	90
Fragrance	N/A	< 1
Dye	N/A	< 1

4. FIRST-AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL ADVICE	Immediately call a POISON CENTER or doctor/physician.
EYE CONTACT	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
SKIN CONTACT	Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. Wash contaminated clothing before reuse.
INHALATION	Remove person to fresh air and keep at rest in a position comfortable for breathing. Immediately call poison center or doctor/ physician.
INGESTION	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink 1-2 glasses of water. Immediate medical attention is required.

POTENTIAL ACUTE HEALTH EFFECTS

Most important symptoms and effects, both acute and delayed

SYMPTOMS	Exposed individuals may experience eye tearing, redness and discomfort. Contact will cause irritation and redness to be exposed areas. May cause irritation to the mucous membranes and upper respiratory tract. May cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea.
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NOTES TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA None known

SPECIFIC HAZARDS ARISING FROM CHEMICAL Not determined

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/ NIOSH (approved and equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS Use personal protective equipment as required. Spills may be slippery.
ENVIRONMENTAL PRECAUTIONS Avoid discharges into open waterways. Avoid discharge to soil.

METHODS AND MATERIALS FOR CONTAMINATION AND CLEAN-UP

CONTAMINATION Prevent further leakage or spillage is safe to do so
Avoid runoff into storm sewers and ditches which lead to waterways.
CLEAN-UP Prevent product from entering into stream, soil, storm sewer or other bodies of water.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

PROTECTIVE MEASURES Handle in accordance with good industrial hygiene and safety practice.
Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapor/spray. Do not eat, drink, or smoke when using this product. Use personal protection recommended in Section 8.

CONDITIONS FOR SAFE STORAGE (INCLUDING ANY INCOMPATIBILITIES)

STORAGE CONDITIONS Keep containers tightly closed in a dry, cool, and well-ventilated place. Store locked up.
INCOMPATIBLE MATERIALS Not determined

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES

CHEMICAL NAME	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrochloric acid	2 ppm	5 ppm	

ENGINEERING CONTROLS Apply technical measures to comply with the occupational exposure limits.

INDIVIDUAL PROTECTION MEASURES

EYE/FACE PROTECTION Wear approved safety goggles.
SKIN/BODY PROTECTION Wear rubber or neoprene gloves.
RESPIRATORY PROTECTION Ensure adequate ventilation, especially in confined areas.
GENERAL HYGIENE Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPERANCE	Liquid
COLOR	Blue opaque
ODOR	Fresh
ODOR THRESHOLD	Not determined
pH	< 1.0
MELTING POINT/FREEZING POINT	32°F/ 0° C
BOILING POINT/BOILING RANGE	212°F/ 100° C
FLASH POINT	Non-Flammable
EVAPORATION RATE	No data available
FLAMMABILITY (SOLID, GAS)	N/A
UPPER FLAMMABILITY LIMITS	N/A
LOWER FLAMMABILITY LIMITS	N/A
VAPOR PRESSURE	20 mm Hg at (68°F)
SPECIFIC GRAVITY	1.035 grams/ml. at 20°C (68°F)
RELATIVE DENSITY	No data available
WATER SOLUBILITY	Completely soluble
PARTITION COEFFICIENT	Not determined
N-OCTANOL/ WATER	Not determined
AUTO-IGNITION TEMPERATURE	Not determined
DECOMPOSITION TEMPERATURE	Not determined
VISCOSITY	Water thin

10. STABILITY AND REACTIVITY

REACTIVITY	Not reactive under normal conditions
CHEMICAL STABILITY	Stable under recommended storage conditions
POSSIBILITY OF HAZARDOUS REACTIONS	None under normal processing
CONDITIONS TO AVOID	Keep out of reach of children
INCOMPATIBLE MATERIALS	Strong alkalis, reducing agents, chlorine bleach products; metals e.g. aluminum, brass, copper, iron.
HAZARDOUS DECOMPOSITION PRODUCTS	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure.

EYE CONTACT	Causes severe eye damage.
SKIN CONTACT	Causes severe skin burns.
INHALATION	Avoid breathing vapors or mists.
INGESTION	May be harmful if swallowed.

COMPONENT INFORMATION



Safety Data Sheet

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Hydrochloric acid	900 mg/kg (rat)	-	2134 mg/l (Rat), Aerosol

SYMPTOMS Please see section 4 of this SDS for symptoms.

CARCINOGENICITY This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

NUMERICAL MEASURES OF TOXICITY-PRODUCT Not determined.

THE FOLLOWING VALUES ARE CALCULATED BASED ON CHAPTER 3.1 OF THE GHS DOCUMENT

ATEMIX (ORAL) 1281 MG/KG
ATEMIX (DERMAL) 27049 MG/KG

12. ECOLOGICAL INFORMATION

ECOTOXICITY This product is toxic to fish.

PERSISTENCE AND DEGRADABILITY Not determined

BIOACCUMULATION Not determined

MOBILITY Not determined

OTHER ADVERSE EFFECTS Not determined

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

WASTE DISPOSAL

Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Small amounts (less than 1 gallon) may be diluted with copious amounts of water and disposed of into sanitary sewer.

CONTAMINATED PACKAGING

Rinse container with clear water. Offer container for recycling, or dispose of in trash.

14. TRANSPORT INFORMATION

DOT

UN/ ID No UN1760
Proper Shipping Name Compound, Cleaning Liquid
Hazard Class 8
Packing Group III

IATA

UN/ ID No UN1760
Proper Shipping Name Compound, Cleaning Liquid
Hazard Class 8
Packing Group III



IMDG

UN/ ID No	UN1760
Proper Shipping Name	Corrosive liquids, n.o.s. (<i>Potassium hydroxide, sodium metasilicate</i>)
Hazard Class	8
Packing Group	III

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

LEGEND

TSCA	United States Toxic Substances Control Act Section 8(B) Inventory
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	European Inventory of Existing/Notified Chemical Substances
ENCS	Japan Existing and New Chemical Substances
IECSC	China Inventory of Existing Chemical Substances
KECL	Korean Existing and Evaluated Chemical Substances
PICCS	Philippines Inventory of Chemicals and Chemical Substances

U.S. FEDERAL REGULATIONS

SARA 313/312 HAZARD CATEGORIES

CHEMICAL NAME	CAS NO.	WEIGHT %	SARA 313-THRESHOLD VALUES %
Hydrochloric acid		5-10%	

CLEAN WATER ACT (CWA)

CHEMICAL NAME	REPORTABLE QUANTITIES	TOXIC POLLUTANTS	PRIORITY POLLUTANTS	HAZARDOUS SUBSTANCES
Potassium hydroxide 1310-58-3	1000 LBS	--	--	X

CHEMICAL NAME	HAZARDOUS SUBSTANCES RQ	CERCLA/SARA RQ	REPORTABLE QUANTITY (RQ)
Hydrochloric acid	5000 LBS	5000 LBS	RQ 5000lb final RQ

U.S. STATE REGULATIONS

U.S. STATE RIGHT-TO-KNOW REGULATIONS

CHEMICAL NAME	NEW JERSEY	MASSACHUSETTS	PENNSYLVANIA
Hydrochloric acid	X	X	X
Potassium hydroxide	X	X	X

16. OTHER INFORMATION

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
	Not determined	Not determined	Not determined	Not determined
HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	Not determined	Not determined	Not determined	B

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SAFETY DATA SHEET