

SECTION 1 – IDENTIFICATION

NAME: EMULSI-ONE

USE: Emulsifier for laundry

MANUFACTURER: **B.O.D. CHEMICALS INC.**
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SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

PHYSICAL HAZARDS: None

HEALTH HAZARDS: Acute toxicity - oral, category 4
Skin corrosion / Irritation, category 2
Serious eye damage / Eye irritation, category 1

ENVIRONMENTAL HAZARDS: Not available

GHS LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD: DANGER

HAZARD STATEMENTS: Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.

PRECAUTIONARY STATEMENTS

PREVENTION: Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE: **If swallowed:** Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
If on skin: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. Specific treatment (see supplemental first aid instructions on the label). If skin irritation occurs: Get medical advice/attention. **If in eyes:** Rinse cautiously with water for 10 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. Immediately call a POISON CENTER or doctor/physician.

STORAGE / DISPOSAL: Store locked up. Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local regulations (see 13th section).

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Alcohols, C12-15, ethoxylated	068131-39-5	60 - 100
Isopropyl alcohol	000067-63-0	1 - 5
1-Propoxy-2-propanol	001569-01-3	1 - 5

SECTION 4 – FIRST AID MEASURES

SKIN:	Remove contaminated clothing. Rinse skin with water for at least 10 minutes/shower. Consult a physician if irritation persists.
EYES:	Rinse cautiously with water for 10-15 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
INGESTION:	Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water. Do not give anything by mouth if victim is unconscious. Call a physician immediately.
INHALATION:	Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	Red eyes, itchy eyes, runny eyes or a sensation of sand in the eyes may indicate eye irritation. Itching, erythema or burning may occur if skin irritation occurs. Irritation can sometimes worsen, especially if exposure to the causative agent is prolonged or repeated.
TO PHYSICIAN:	Treat symptoms.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:	Water spray, carbon dioxide, chemical powder, foam.
UNSUITABLE EXTINGUISHING MEDIA:	Do not use water jet as an extinguisher, as this will spread the fire. Do not use an extinguisher containing halogenated agents.
SPECIFIC HAZARDS OF THE HAZARDOUS PRODUCT:	The product is not flammable. In case of fire, toxic fumes are emitted. The product does not burn itself but can decompose during heating to produce carbon monoxide and dioxide and toxic fumes.
SPECIAL FIRE FIGHTING PROCEDURES:	Wear protective clothing and self-contained breathing apparatus if necessary.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Ventilate enclosed areas. Avoid contact of the product with eyes and skin. Do not breathe fume/gas/mist/vapours/spray. Wear gloves, safety goggles and respirator if needed. Prevent discharge in sewers. Keep away from incompatible materials.
ENVIRONMENTAL PRECAUTIONS:	Avoid the spillage or runoff entering drains, sewers or watercourses.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	Wear protective clothing. Control spill to prevent runoff into sewers. Cover with inert absorbent material and recover in suitable containers. Sweep and rinse with water.

SECTION 7 – HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:	Avoid contact of the product with eyes and skin. Do not eat, drink or smoke when using this product. Wear gloves and safety goggles. Wash hands thoroughly after handling.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials. Ventilate enclosed areas.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

INGREDIENT	CAS	VALUE	REGULATION
Isopropyl alcohol	67-63-0	STEL : 400 ppm	ACGIH

APPROPRIATE ENGINEERING CONTROL: Normal ventilation

PERSONAL PROTECTIVE EQUIPMENT



SKIN:	Impermeable gloves.
EYES:	Wear safety goggles.
RESPIRATORY:	Generally, not required.
HYGIENE MEASURES:	Wash hands after handling.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / FORM:	Clear liquid
COLOR:	Colorless
ODOR:	Alcohol
ODOR THRESHOLD:	Not available
pH:	6.0 - 8.0
MELTING POINT / FREEZING POINT (°C):	< 0
BOILING POINT (°C):	~ 100
FLASH POINT (°C):	Not available
EVAPORATION RATE:	Not available
EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
DENSITY (kg/L):	0.94 - 0.98
WATER SOLUBILITY:	Complete
PARTITION COEFFICIENT / N-OCTANOL/WATER:	Not available
AUTOIGNITION TEMPERATURE (°C):	Not available
DECOMPOSITION TEMPERATURE (°C):	Not available

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY:	No dangerous reaction known under conditions of normal use.
STABLE:	Stable at normal ambient temperatures and when used as recommended.
HAZARDOUS REACTIONS:	Hazardous polymerisation does not occur.
CONDITIONS TO AVOID:	Contact with incompatible materials.
INCOMPATIBILITY:	Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not available.

SECTION 11 – TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

SKIN:	Causes skin irritation.
EYES:	Causes serious eye damage.
INHALATION:	No serious effect.

INGESTION: Harmful if ingested.

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE ORAL TOXICITY: LD50 (oral, rat): 808 mg/kg

ACUTE DERMAL TOXICITY: Not available. No health effects (normal conditions of use).

ACUTE INHALATION TOXICITY: Not available. No health effects (normal conditions of use).

SKIN CORROSION / IRRITATION: Causes skin irritation.

SERIOUS EYE DAMAGE / EYE IRRITATION: Causes serious eye damage.

RESPIRATORY SENSITIZATION: Not expected to cause respiratory sensitization.

SKIN SENSITIZATION: Not expected to cause skin sensitization.

GERMINAL CELL MUTAGENICITY: No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.

CARCINOGENICITY: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.

REPRODUCTIVE TOXICITY: No potential reproductive toxicity.

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE: Not classified.

SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE: Not classified.

ASPIRATION HAZARD: Not classified.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: Alcohols, C12-15, ethoxylated
EC50, Daphnia magna, 48 h, 0.14 mg/l

Isopropyl alcohol
EC50, Daphnia magna, 48 h, 1.5 mg/l

PERSISTENCE AND DEGRADABILITY: Not available.

BIOACCUMULATIVE POTENTIAL: Not available.

MOBILITY IN SOIL: Not available.

OTHER ADVERSE EFFECTS: Not available.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL INSTRUCTIONS: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain in sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDOUS WASTE CODE: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

WASTE FROM RESIDUES / UNUSED PRODUCTS: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

CONTAMINATED PACKAGING: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 – TRANSPORT INFORMATION

TDG: Not regulated

SPECIAL PRECAUTIONS FOR USER: Read safety instructions, SDS and emergency procedures before handling.

SECTION 15 – REGULATORY INFORMATION

Ingredients included on inventory of DSL (Canada), REACH, TSCA (USA)

SECTION 16 – OTHER INFORMATION

PRODUCT NAME: EMULSI-ONE

IN CASE OF ACCIDENTAL SPILL: CANUTEC (Canada): 1 (613) 996-6666

PREPARED BY: B.O.D. CHEMICALS INC.

PHONE: (450) 443-5556

DATE: October 10th, 2018

B.O.D. CHEMICALS INC. assume no responsibility for damages or physical injuries resulting in the use of this product. The user recognizes the risk in the use of this product and must consult and respect directions and dangers of this product.