

SECTION 1 – IDENTIFICATION

NAME / CODE: PURFOAM-70 / 3208XX

NPN: 80101656

USE: Foaming hand disinfectant

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

GHS CLASSIFICATION

PHYSICAL HAZARDS: Flammable liquid, category 2

HEALTH HAZARDS: Serious eye damage / Eye irritation, category 2B

ENVIRONMENTAL HAZARDS: Not available

GHS LABEL ELEMENTS

PICTOGRAM:



SIGNAL WORD: DANGER

HAZARD STATEMENTS: Highly flammable liquid and vapour.
Causes eye irritation.

PRECAUTIONARY STATEMENTS

PREVENTION: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wear protective gloves/protective clothing/eye protection/face protection (accidental release measures).
Keep container tightly closed. Use only non-sparking tools.

RESPONSE: **In case of fire:** Use chemical powder or anti-alcohol foam for extinction. **If in eyes:** Rinse immediately and cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing, keeping eyelids open. If eye irritation persists: Get medical advice/attention.

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

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (V/V)
Ethanol	000064-17-5	≥ 70

SECTION 4 – FIRST AID MEASURES

SKIN: The product may be irritating to skin if prolonged or repeated contact occurs. Discontinue use if irritation or redness develops. If condition persists for more than 72 hours, contact a physician.

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:	May cause gastrointestinal tract irritation, nausea, vomiting and headache. May cause irritation after prolonged contact with the skin. Risk of mild irritation if excessive exposure. May cause eczema and inflammation of the skin.
TO PHYSICIAN:	Treat symptoms.

SECTION 5 – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:	Chemical powder, chemical foam, sand or earth.
UNSUITABLE EXTINGUISHING MEDIA:	Do not use water jet as an extinguisher, as this will spread the fire.
SPECIFIC HAZARDS OF THE HAZARDOUS PRODUCT:	The product is 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. Vapors may cause a flash fire or ignite explosively. Prevent buildup of vapors or gases to explosive concentrations.
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 vapours. 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. Avoid prolonged contact with skin. Rinse hands after handling. Do not breathe vapours.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Keep containers closed, in fresh, dry and well ventilated area, away from incompatible materials.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT	CAS	VALUE	REGULATION
Ethanol	64-17-5	TWA: 19000 mg/m ³	NIOSH REL

APPROPRIATE ENGINEERING CONTROL: Normal ventilation

PERSONAL PROTECTIVE EQUIPMENT

SKIN:	Not required.
EYES:	Not required.
RESPIRATORY:	Not required.
HYGIENE MEASURES:	No special measures required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / FORM:	Clear liquid
COLOR:	Colorless
ODOR:	Lightly perfumed
ODOR THRESHOLD:	Not available
pH:	Not available
MELTING POINT / FREEZING POINT (°C):	Not available
BOILING POINT (°C):	Not available
FLASH POINT (°C):	27
EVAPORATION RATE:	Not available
EXPLOSIVE LIMITS:	Not available
VAPOUR PRESSURE:	Not available
VAPOUR DENSITY:	Not available
DENSITY (kg/L):	0.80 - 0.90
WATER SOLUBILITY:	Not available
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.
CHEMICAL STABILITY:	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:	Avoid extreme heat, flames and sparks.
HAZARDOUS DECOMPOSITION PRODUCTS:	Not available.

SECTION 11 – TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE

SKIN:	May cause irritation as a result of prolonged contact with the skin.
EYES:	Causes eye irritation.
INHALATION:	No serious effects.
INGESTION:	May cause gastrointestinal tract irritation, nausea, vomiting and headache.

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE ORAL TOXICITY:	LD50 (rat): 7060 mg/kg
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ACUTE DERMAL TOXICITY:	No health effects (normal conditions of use).
ACUTE INHALATION TOXICITY:	No health effects (normal conditions of use).
<u>DELAYED AND IMMEDIATE EFFECTS</u>	
SKIN CORROSION / IRRITATION:	No health effects (normal conditions of use).
SERIOUS EYE DAMAGE / EYE IRRITATION:	Causes eye irritation.
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:	Ethanol LC50, Pimephales promelas, > 100 mg/l, 96h
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 in appropriate containers and recycle or dispose the product at a licensed waste disposal site or in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses.
HAZARDOUS WASTE CODE:	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
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:	UN1170, ETHANOL SOLUTION, Class 3, PG III
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: PURFOAM-70
NPN: 80101656
CODE: 3208XX
IN CASE OF ACCIDENTAL SPILL: CANUTEC (Canada): 1 (613) 996-6666
PREPARED BY: B.O.D. CHEMICALS INC.
PHONE: (450) 443-5556
DATE: November 6th, 2020

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.