

## SECTION 1 – IDENTIFICATION

**NAME / CODE:** AERO-28 / 2802XX

**USE:** Heavy duty grill and oven aerosol cleaner

**MANUFACTURER:** B.O.D. CHEMICALS INC.  
3300, Star Street, Saint-Hubert, Qc, Canada, J3Y 3W6  
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**EMERGENCY PHONE:** 1 (877) 565-8540

## SECTION 2 – HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

**PHYSICAL HAZARDS:** Flammable aerosols Category 1

**HEALTH HAZARDS:** Skin corrosion / Irritation, category 1  
Serious eye damage / Eye irritation, category 1

**ENVIRONMENTAL HAZARDS:** None

### GHS LABEL ELEMENTS

#### PICTOGRAM:



**SIGNAL WORD:** DANGER

**HAZARD STATEMENTS:** Extremely flammable aerosol.  
Causes severe skin burns and eye damage.  
Causes serious eye damage.

### PRECAUTIONARY STATEMENTS

**PREVENTION:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing gas. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear eye protection/face protection. Wear protective gloves.

**RESPONSE:** **If swallowed:** Rinse mouth. Do NOT induce vomiting. **If on skin (or hair):** Take off immediately all contaminated clothing. Rinse skin with water. **If inhaled:** Remove person to fresh air and keep comfortable for breathing. **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/doctor.

**STORAGE / DISPOSAL:** Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container in accordance with local regulations (see 13<sup>th</sup> section).

## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS	% (W/W)
Diethylene Glycol Monobutyl Ether	000112-34-5	7 - 13
Sodium hydroxide	001310-73-2	5 - 10
Propane	000074-98-6	1 - 5

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## SECTION 4 – FIRST AID MEASURES

<b>SKIN:</b>	Remove contaminated clothing. Rinse skin with water for at least 15 minutes/shower. Consult a physician if irritation persists.
<b>EYES:</b>	Rinse cautiously with water for 15-20 minutes, keeping eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
<b>INGESTION:</b>	Rinse mouth. Do not induce vomiting. Drink 3 to 4 glasses of water or milk. Do not give anything by mouth if victim is unconscious. Call a physician immediately.
<b>INHALATION:</b>	Breathe fresh air. Give artificial respiration if necessary. Consult a physician if discomforts persist.
<b>MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:</b>	Skin: Burning and severe skin damage, redness of the skin. Eyes: Causes serious eye damage. Symptoms may include burning, tingling, watery eyes, redness, swelling and blurred vision. This could result in permanent eye damage.
<b>TO PHYSICIAN:</b>	Treat symptoms.

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## SECTION 5 – FIRE-FIGHTING MEASURES

<b>EXTINGUISHING MEDIA:</b>	Not available.
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>SPECIFIC HAZARDS OF THE HAZARDOUS PRODUCT:</b>	Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed.
<b>SPECIAL FIRE FIGHTING EQUIPMENT:</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, self-contained breathing apparatus if necessary.
<b>FIRE FIGHTING EQUIPEMENT/INSTRUCTIONS:</b>	Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
<b>SPECIFIC METHODS:</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. In the event of fire and/or explosion do not breathe fumes.
<b>GENERAL FIRE HAZARDS:</b>	Extremely flammable aerosol.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>METHODS AND MATERIALS FOR AND CLEANING UP:</b>	Stop leak if it is safe. Rinse the place with water. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS.

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## SECTION 7 – HANDLING AND STORAGE

<b>PRECAUTIONS FOR SAFE HANDLING:</b>	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is
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missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Avoid breathing gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

**CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:**

Level 1 Aerosol. Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS).

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**OCCUPATIONAL EXPOSURE LIMITS**

INGREDIENT	CAS	VALUE	REGULATION
Butane	106-97-8	TWA: 1900 mg/m <sup>3</sup>	RSST
Sodium hydroxide	1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	RSST
Propane	74-98-6	TWA:1800 mg/m <sup>3</sup>	RSST

**APPROPRIATE ENGINEERING CONTROL:**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**PERSONAL PROTECTIVE EQUIPMENT**



- SKIN:** Protective clothing. Impermeable gloves.
- EYES:** Safety goggles.
- RESPIRATORY:** If ventilation is inadequate, suitable respiratory protection must be worn.
- HYGIENE MEASURES:** Wash hands after handling.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

- APPEARANCE / FORM:** Gas. Aerosol.
- COLOR:** Not available
- ODOR:** Not available
- ODOR THRESHOLD:** Not available
- pH:** Not available
- MELTING POINT / FREEZING POINT (°C):** Not available
- BOILING POINT (°C):** 114.98 (estimated)
- FLASH POINT (°C):** -104.4 Propellant estimated
- EVAPORATION RATE:** Not available
- FLAMMABILITY LIMITS:** 1.9 - 9.5% (estimated)
- EXPLOSIVE LIMITS:** Not available

<b>VAPOUR PRESSURE:</b>	70 – 90 psig at 70 <sup>0</sup> F
<b>VAPOUR DENSITY:</b>	Not available
<b>DENSITY (kg/L):</b>	1.02 (estimated)
<b>WATER SOLUBILITY:</b>	Not available
<b>PARTITION COEFFICIENT / N-OCTANOL/WATER:</b>	Not available
<b>AUTOIGNITION TEMPERATURE (°C):</b>	Not available
<b>DECOMPOSITION TEMPERATURE (°C):</b>	Not available

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## **SECTION 10 – STABILITY AND REACTIVITY**

<b>REACTIVITY:</b>	No dangerous reaction known under conditions of normal use.
<b>STABLE:</b>	Stable at normal ambient temperatures and when used as recommended.
<b>HAZARDOUS REACTIONS:</b>	Hazardous polymerisation does not occur.
<b>CONDITIONS TO AVOID:</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>INCOMPATIBILITY:</b>	Strong acids.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Not available.

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## **SECTION 11 – TOXICOLOGICAL INFORMATION**

### **INFORMATION ON LIKELY ROUTES OF EXPOSURE**

<b>SKIN:</b>	Causes severe skin burns.
<b>EYES:</b>	Causes serious eye damage.
<b>INHALATION:</b>	May cause irritation to the respiratory system.
<b>INGESTION:</b>	Causes digestive tract burns.

### **NUMERIC VALUES OF TOXICITY**

<b>ACUTE ORAL TOXICITY:</b>	Not available. No health effects (normal conditions of use).
<b>ACUTE DERMAL TOXICITY:</b>	Not available. No health effects (normal conditions of use).
<b>ACUTE INHALATION TOXICITY:</b>	Not available. No health effects (normal conditions of use).

### **DELAYED AND IMMEDIATE EFFECTS**

<b>SKIN CORROSION / IRRITATION:</b>	Causes severe skin burns.
<b>SERIOUS EYE DAMAGE / EYE IRRITATION:</b>	Causes serious eye damage.
<b>RESPIRATORY SENSITIZATION:</b>	Not expected to cause respiratory sensitization.
<b>SKIN SENSITIZATION:</b>	Not expected to cause skin sensitization.
<b>GERMINAL CELL MUTAGENICITY:</b>	No data available to indicate product or components present at greater than 0.1% are mutagenic or genotoxic.
<b>CARCINOGENICITY:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen.
<b>REPRODUCTIVE TOXICITY:</b>	No potential reproductive toxicity.

**SPECIFIC TARGET ORGAN TOXICITY-  
SINGLE EXPOSURE:** Not classified.

**SPECIFIC TARGET ORGAN TOXICITY-  
REPEATED EXPOSURE:** Not classified.

**ASPIRATION HAZARD:** Not classified.

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## SECTION 12 – ECOLOGICAL INFORMATION

**ECOTOXICITY:** Sodium hydroxide  
EC50 Daphnie, 34.59 - 47.13 mg/l, 48h  
LC50 Fish, 125 mg/l, 96h

Diethylene Glycol Monobutyl Ether  
EC50 Daphnia, 2803 mg/l, 48h  
LC50 Fish, 1300 mg/l, 96h

**PERSISTENCE AND DEGRADABILITY:** Not available

**BIOACCUMULATIVE POTENTIAL:** Not available

**MOBILITY IN SOIL:** Not available

**OTHER ADVERSE EFFECTS:** Not available

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## SECTION 13 – DISPOSAL CONSIDERATIONS

**DISPOSAL INSTRUCTIONS:** Contents under pressure. Do not puncture, incinerate or crush. 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.

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## SECTION 14 – TRANSPORT INFORMATION

**TDG:** UN1950, AEROSOLS, flammable, Class 2.1 (8), PG III

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

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## SECTION 15 – REGULATORY INFORMATION

**INGREDIENTS INCLUDED ON INVENTORY:**

Ingredients listed on DSL (Canada), REACH, TSCA (USA).

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## SECTION 16 – OTHER INFORMATION

**PRODUCT NAME:** AERO-28

**CODE:** 2802XX

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

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

**PHONE:** (450) 443-5556

**DATE:** July 12<sup>th</sup>, 2019

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.