

Material Safety Data Sheet - MSDS

Section 1. Chemical Product and Company Identification

Product name : BLUESHIELD™ AL-731
Description : Nozzle gel for MIG gun nozzles
In case of emergency : 1-514-878-1667
Supplier : Air Liquide Canada Inc. 1250, René-Lévesque West, Suite 1700, Montreal, QC H3B 5E6

Generic Code : ALG902
Date of issue : 12/15/2007

Section 2. Hazards identification

Physical state and Appearance : Solid. (Gel.)

Emergency overview : No specific hazard.
USE WITH CARE.
Follow good industrial hygiene practice.

Routes of entry : Skin contact.

Potential acute health effects

Eyes : Slightly irritating to the eyes.
Skin : Slightly irritating to the skin.
Inhalation : Non-hazardous in case of inhalation.
Ingestion : No known significant effects or critical hazards.

Potential chronic health effects : CARCINOGENIC EFFECTS: Not classified or listed by IARC, NTP, OSHA and ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical conditions aggravated by over-exposure : Repeated or prolonged exposure is not known to aggravate any medical condition.

[See section 11 for more detailed information on health effects and symptoms.](#)

(* See Abbreviations (section 16).

Section 3. Composition/information on ingredients

Name	CAS #	% by weight	UN number
Petrolatum	8009-03-8	> 95	Not applicable.

This material is classified as not hazardous under OSHA regulations in the United States and the WHMIS in Canada.
[See Section 8 for Exposure Limits.](#) [See Section 11 for Toxicological Data.](#)

Section 4. First Aid Measures

Eye contact : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation occurs.

Skin contact : Wash with soap and water. Get medical attention if irritation develops.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

Section 5. Fire Fighting Measures

Flammability of the product : Non-flammable.

Explosibility : Not considered to be a product presenting a risk of explosion.

Fire-fighting media and instructions : Use extinguishing media suitable for surrounding materials.

Section 6. Accidental Release Measures

Small/Large Spill and Leak : Use appropriate tools to transfer the spilled solid to a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling : Avoid breathing vapors, spray or mists. Do not ingest. Wash thoroughly after handling.

Storage : Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls, Personal Protection

Engineering controls : Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal protection

Eyes : Safety glasses.

Body : Lab coat.

Respiratory : A respirator is not needed under normal and intended conditions of product use.

Hands : Gloves.

Feet : Not applicable.

Workspace environment : Use latex gloves.

Exposure limits

Product name

Exposure limits

No hazardous ingredients.

[Consult local authorities for acceptable exposure limits.](#)

Section 9. Physical and Chemical Properties

Physical state and Appearance : Solid. (Gel.)

Color : Blue.

Odor : Odorless.

Melting/freezing point : 68 to 77°C (154.4 to 170.6°F)

Specific gravity : 0.815 to 0.88 (Water = 1)

Solubility : Insoluble in the following materials: cold water, hot water.

Section 10. Stability and Reactivity

Stability and reactivity : The product is stable.

Hazardous decomposition products : Decomposition products may include the following materials: carbon oxides (CO, CO₂) and water.

Hazardous polymerization : Will not occur.

Section 11. Toxicological Information

Chronic effects on humans : See Section 2.

Other toxic effects on humans : May be irritating to eyes, skin and respiratory system.

Section 12. Ecological Information

Products of degradation : Carbon oxides (CO, CO₂) and water.

Section 13. Disposal Considerations

Waste information : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

[Consult your local or regional authorities.](#)

Section 14. Transport Information

No transport classes were found applicable to the mixture.

Section 15. Regulatory Information

- HCS Classification** : Not controlled under the HCS (United States).
- U.S. Federal regulations** : **United States inventory (TSCA 8b)**: All components are listed or exempted.
Clean Water Act (CWA) 307: No products were found.
Clean Water Act (CWA) 311: No products were found.
Clean Air Act (CAA) 112 accidental release prevention: No products were found.
Clean Air Act (CAA) 112 regulated flammable substances: No products were found.
Clean Air Act (CAA) 112 regulated toxic substances: No products were found.
SARA 302/304/311/312 extremely hazardous substances: No products were found.
SARA 302/304 emergency planning and notification: No products were found.
SARA 302/304/311/312 hazardous chemicals: No products were found.
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
- SARA 313**
- Form R - Reporting requirements** : No products were found.
- Supplier notification** : No products were found.
- State regulations** : **California prop. 65**: No products were found.
- WHMIS (Canada)** : Not controlled under WHMIS (Canada).
CEPA Toxic substances: None of the components are listed.
Canadian ARET: None of the components are listed.
Canadian NPRI: None of the components are listed.
Alberta Designated Substances: None of the components are listed.
Ontario Designated Substances: None of the components are listed.
Quebec Designated Substances: None of the components are listed.
- This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.**

Section 16. Other Information

- Label requirements** : USE WITH CARE.
- Hazardous Material Information System (U.S.A.)** : Health: 1 Fire: 0 Reactivity: 0
- National Fire Protection Association (U.S.A.)** : Health: 1 Fire: 0 Reactivity: 0
- References** : - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. - Canadian Transport of Dangerous Goods, Regulations and Schedules, Clear Language version 2005. - CRC Handbook of chemistry and physics, 67th edition. CRC Press inc., Boca Raton, Florida. - Manufacturer's Material Safety Data Sheet. ANSI Z400.1, MSDS Standard, 2004.
- Abbreviations** : Not applicable.
- Responsible name** : Atrion Regulatory Services, Inc.
- Date of previous issue** : 05/31/2005
- Version** : 4

Notice to reader

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