

Section 1. Chemical Product and Company Identification

Product name	Classification	Classification
Blueshield: BLUESHIELD™ AL-731	CSA: Not applicable.	AWS: Not applicable.
Description	: Nozzle gel for MIG gun nozzles	Generic Code : ALG902
In case of emergency	: 1-514-878-1667	Date of issue : 12/01/2011
Supplier	: Air Liquide Canada Inc. 1250, René-Lévesque West, Suite 1700 Montreal, QC H3B 5E6	

Section 2. Hazards Identification

Physical state and Appearance	: Solid. (Gel.)
Emergency overview	: These hazards relate to welding fumes (electrodes in use) and not to the electrodes as sold. WARNING! 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 Abbreviations (section 16).

Section 3. Composition, Information on Ingredients

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

The fumes emitted by the electrodes, in use, are hazardous. This MSDS is written for workers using these electrodes.

See Section 8 for Exposure Limits of the oxides found in the welding fumes.

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.

Exposure limits

Product name

Exposure limits

Petrolatum

ACGIH TLV (United States).
TWA: 10 mg/m³ Form: As oil mist, if generated
TWA: 2 mg/m³ Form: As paraffin wax fumes, if generated

OSHA PEL (United States).
TWA: 5 mg/m³ Form: As oil mist, if generated

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, CQ) and water.

Hazardous polymerization : Will not occur.

Section 11. Toxicological Information

Product/ingredient name	Species	Dose	Result	Exposure
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Not available.

Chronic effects and other toxic effects on humans : See Section 2.
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 class is found applicable to this product.

Section 15. Regulatory Information

- HCS Classification** : These hazards relate to welding fumes (electrodes in use) and not to the electrodes as sold.
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)** : **These hazards relate to welding fumes (electrodes in use) and not to the electrodes as sold.**
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** : KMK Regulatory Services Inc.
- Date of previous issue** : 12/15/2007
- Version** : 5

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