

J-WORKS ALUMINUM BRIGHTENER 645

National Fire Protection Association (NFPA)	Fire Hazard Health Reactivity	Hazardous Material Information System (HMIS)	<table><tr><td>Health</td><td>3</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table>	Health	3	Fire Hazard	0	Reactivity	0
Health	3								
Fire Hazard	0								
Reactivity	0								
Specific Hazard									
Protective Clothing	Emergency Overview Hazy liquid. Liquid. DANGER. CORROSIVE. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED.								

Section 1. Chemical Product and Company Identification

Product Name	J-WORKS ALUMINUM BRIGHTENER 645	Code	2918843 & 2918851 & 2918860 & 2918878
Product Use	Vehicle cleaner	PMS#	3187034
MSDS#	11001	Validation Date	9/10/2003
U.S. Headquarters JohnsonDiversey, Inc. 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (800) 725-6737 MSDS Internet Address: www.johnsondiverse.com	Canadian Headquarters JohnsonDiversey - Canada, Inc. 2401 Bristol Circle Oakville, Ontario L6H 6P1 Phone: 1-888-746-5971	Print Date	9/10/2003
		Supersedes	No Previous Validation
		In Case of Emergency	(800) 851-7145

Section 2. Composition and Information on Ingredients

Ingredients	CAS #	% by Weight	Exposure Limits	LC50/LD50
Alkoxylated Alcohol Water Oxalic Acid	69227-21-0 7732-18-5 6153-56-6	1-5 60-100 10-30	Not available. Not available. OSHA (United States). TWA: 1 mg/m ³ ACGIH (United States). TWA: 1 mg/m ³ STEL: 2 mg/m ³ OSHA (United States). TWA: 8 mg/m ³ STEL: 15 mg/m ³ ACGIH (United States). TWA: 7.5 mg/m ³ STEL: 15 mg/m ³	Not available. Not available. ORAL (LD50): Acute: 7500 mg/kg [Rat]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit]. ORAL (LD50): Acute: 1720 mg/kg [Rat]. DERMAL (LD50): Acute: 1018 mg/kg [Rabbit].
Monoethanolamine	141-43-5	1-5		

Section 3. Hazards Identification

Routes of Entry	Skin Contact. EYE CONTACT.
Potential Acute Health Effects	
<i>Eyes</i>	Corrosive. May cause permanent damage including blindness.
<i>Skin</i>	Corrosive. May cause permanent damage.
<i>Inhalation</i>	May cause irritation and corrosive effects to nose, throat and respiratory tract.
<i>Ingestion</i>	May cause abdominal discomfort, nausea, vomiting and diarrhea. Corrosive. May cause burns to mouth, throat and stomach.
Medical Conditions	Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.
See Toxicological Information (section 11)	

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
Skin Contact	Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation	If breathing is difficult: Remove to fresh air. Get medical attention immediately.
Ingestion	Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flammability of the Product	None known.
Flash Points	Not available.
Products of Combustion	None known.
Fire Fighting Media and Instructions	Extinguish with water spray or carbon dioxide, dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.

Section 6. Accidental Release Measures

Personal Precautions	Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions and Clean-up Methods	In the event of major spillage: Use appropriate containment to avoid environmental contamination. Sweep or scrape up material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean-up.

Section 7. Handling and Storage

Handling	Avoid contact with eyes, skin and clothing. Do not taste or swallow. Avoid breathing vapors or spray mists. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. FOR INDUSTRIAL USE ONLY
Storage	Store in a dry, cool and well-ventilated area. Protect from freezing. Keep container tightly closed. KEEP OUT OF REACH OF CHILDREN.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.
Personal Protection	
Eyes	Chemical splash goggles.
Hands	Chemical resistant gloves.
Respiratory	If mists/vapors are not adequately controlled by ventilation, use appropriate respiratory protection to avoid over exposure. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
Feet	Protective footwear.
Body	If major exposure is possible, wear suitable protective clothing and footwear.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.
Color	Hazy liquid. (Light.)
pH	2.0.
Specific Gravity	1.05
Boiling/Condensation Point	100°C (212°F)
Melting/Freezing Point	0°C (32°F)

Section 10. Stability and Reactivity

Stability and Reactivity

Conditions of Instability None known.

Incompatibility with Various Substances Slightly reactive to reactive with alkalis.

Hazardous Decomposition Products None known.

Hazardous Polymerization Will not occur.

Section 11. Toxicological Information

Acute toxicity Not available.

Effects of Chronic Exposure None known.

Other Toxic Effects None known.

Section 12. Ecological Information

Not available.

Section 13. Disposal Considerations

Waste Information Undiluted product is regulated under environmental and transportation laws as a corrosive waste. Dispose of according to all federal, state and local applicable regulations.

Section 14. Transport Information

DOT Classification

DOT Class Please refer to the Bill of Lading/receiving documents for up to date shipping information.

TDG Classification

TDG Class Please refer to the Bill of Lading/receiving documents for up to date shipping information.

Section 15. Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2

US Regulations

This product is not subject to the reporting requirements under California's Proposition 65.

Registered Product Information Not applicable.

Canadian Regulations

WHMIS Classification Class E: Corrosive liquid.

WHMIS Icon



Registered Product Information Not applicable.

Chemical Inventory Status

Section 16. Other Information

Other Special Considerations Not available.

Version 1

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