

PRODUCT: 4935 CARBIDE GRINDING FLUID

Section 01: Chemical Product and Company Identification

Manufacturer	Walker Emulsions Inc. 4401 SE Johnson Creek Blvd Portland, OR, USA 97222 503-659-1708
Supplier	As Above
Prepared By	Steven M. Brown 503-659-1708
Preparation Date	06/06/2012
Revision Date	06/09/2015
Product Number	PT0049.35
Product Name	4935 Carbide Grinding Fluid
CAS Number	Mixture
Chemical Formula	Not Applicable/Mixture
Material Use	Grinding Fluid
24 Hour Emergency Number	Infotrak (800) 535-5053

Section 02: Hazards Identification



Signal Word:	WARNING
Hazards:	H335 + H336 May cause respiratory irritation, drowsiness or dizziness. Specific target organ toxicity-single exposure, Category 3 H303 May be harmful if swallowed. Acute toxicity, Category 5 H315 Causes skin irritation. Skin corrosion/irritation, Category 2 H319 Causes serious eye irritation. Serious eye damage/eye irritation, Category 2/2A
Prevention:	P102 Keep out of reach of children. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P262 Do not get in eyes, on skin, or on clothing. P264 Wash skin thoroughly after handling.
Response:	P301 + P315 + P330 + P331 IF SWALLOWED: Get immediate medical advice/attention. Rinse mouth. DO NOT INDUCE vomiting. P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention.
Disposal:	P501: Dispose of contents/container in accordance with local regulations.
Effects of Acute Exposure	
Eye Contact	Causes severe irritation and possible burns.
Ingestion	May be harmful if swallowed.

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Section 02: Hazards Identification

Inhalation	Inhalation of vapors or mists may cause pulmonary irritation, dizziness and nausea.
Skin Contact	Causes skin irritation.
Effects of Chronic Exposure	
Inhalation	Prolonged or repeated breathing of sprays, mists, or dusts in excess of the suggested TLV may cause nasal and respiratory irritations.

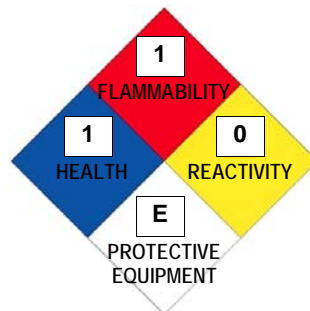
Section 03: Composition and Information on Ingredients

Hazardous Ingredients

Ingred / %	Exposure Levels	C.A.S. #	TSCA	Hazard Rating	LD/LC, Route, Species
SODIUM BORATE					LD/50: See Section 11
0.5 - 1.5		1330-43-4	Y	Health:1, Fire:0, React:0, PP:E	LC/50: Not available
PROPRIETARY ALKYLALKANOLAMINE					LD/50: See Section 11
10 - 30		Mixture	Y	Health:3, Fire:2, React:0, PP:H	LC/50: See Section 11

HMIS Rating (0-4)

HEALTH: 1, FIRE: 1, REACTIVITY: 0, PPI: E



Section 04: First Aid Measures

Skin Contact	Remove contaminated clothing and wash affected skin area with soap and water.
Inhalation	Remove person to fresh air. If not breathing, apply artificial respiration. If breathing is difficult give oxygen. Contact a physician promptly.
Ingestion	Call a physician promptly. INDUCE VOMITING at the direction of a physician or medical personnel. Give large quantities of water. Never give anything orally to an unconscious or convulsing person.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician promptly if irritation persists.

Section 05: Fire and Explosion Data

Flash Range	> 210°F (98.89°C)
Flammability	IIIB
Special Procedures	Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear and self contained breathing apparatus (pressure demand NIOSH approved or equivalent). Fire equipment should be thoroughly decontaminated after use. Use water spray to cool containers exposed to fire. DO NOT permit water to enter containers. Material may spatter or foam if contacted with water. Use water spray to dilute vapors and wash them from air.

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Section 05: Fire and Explosion Data

Fire Hazards	When burned, hazardous products of combustion including oxides of nitrogen, carbon monoxide, and carbon dioxide can occur. Heated material can form flammable and explosives with air. Avoid breathing fumes from fire and exposed material. Never use welding or cutting torch on or near drum, even empty, because product or residue can ignite explosively.
Explosive Range:	Not Applicable
Hazardous Combustion Products	Not Available
Extinguishing Media	Water spray, carbon dioxide, dry chemical, alcohol foam, or foam.

Section 06: Accidental Release Measures

Leak/Spill	SMALL SPILLS: Use an inert material to absorb spilled product. Flush spill area with plenty of water. LARGE SPILLS: Over 50 gallons, use caution; spilled material may be extremely slippery. Contain spilled material immediately and prevent from entering sewer or storm water systems. Use an inert material to immobilize and absorb spilled material.
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Section 07: Handling and Storage

Handling	Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet should be observed. If frozen, thaw and mix well.
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Section 08: Exposure Control and Personal Protection

Protective Equipment		
Eye/Type	Wear approved splashproof chemical goggles.	
Respiratory/Type	None normally required. However, if exposure to airborne concentrations exceeds occupational exposure limits listed in SECTION II, use an appropriate NIOSH-approved respirator for organic vapors and/or particulates in accordance with 29 CFR 1910.134. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type of respiratory equipment for given application.	
Gloves/Type	Neoprene rubber gloves are recommended.	
Ventilation Requirements	Use adequate ventilation to keep airborne concentrations below the exposure standards listed in SECTION II.	
Occupational Exposure Limits	ALKYLALKANOLAMINE	SODIUM BORATE
ACGIH TLV	N/est	1.00mg/M ³
ACGIH TLV-C	N/est	N/est
ACGIH STEL	N/est	6.00 ppm
OSHA STEL	N/est	N/est
OSHA PEL	N/est	5.00mg/M ³

Section 09: Physical and Chemical Properties

Physical State	Liquid
Appearance	Bright green
Viscosity (cPs, water=1)	Not Available

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Volatility (vol%)	Not available
Volatility (wt%)	Not Available
Specific Gravity	1.0508
pH	9.20 - 9.60
Solubility in Water	Miscible
Odor	Mild
Odor threshold (ppm)	Not Available
Vapor Pressure (mm Hg)	(WATER) 17 @ 68°F (20°C)
Vapor Density (air=1)	Non volatile
Evaporation Rate (n-butyl acetate=1)	Unavailable
Coefficient of water/oil distribution	Not Available
Boiling Range	(WATER) 212°F (100°C)
Partition Coefficient	Not Available
Freezing Point	Not Available
Melting Point	Not Available
Melting Point	Not Available
VOC	15%
Flash Point (TCC)	Not Available
Molecular Weight	Mixture
Explosive limits	Not Available
Flammability (solid, gas)	Not Available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available

Section 10: Stability and Reactivity Data

Hazardous Polymerization	Will not occur.
Chemical Stability	This product is stable.
Incompatibility	Acids, strong oxidizing agents.
Conditions to Avoid	Acids, strong oxidizing agents.
Reactivity Conditions	Not Available
Hazardous Products of Decomposition (thermal)	Carbon monoxide, carbon dioxide and/or oxides of nitrogen can be liberated at high temperatures.

Section 11: Toxicological Information

Routes of Entry	Inhalation, and/or skin contact. Inhalation and skin contact are expected to be the primary routes of occupational exposure to ALKYLALKANOLAMINES. This material is considered, on the basis of single exposure animal tests, to be slightly to moderately toxic after skin contact and corrosive to the eyes. Vapors may be irritating to the eyes and respiratory tract.	
Exposure Limits	ALKYLALKANOLAMINE	SODIUM BORATE

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Section 11: Toxicological Information

LD/50	Oral, Rat, adult 900 PPM Skin, Rabbit, adult 1756 mg/kg	Oral, Unknown 3400 PPM Skin, Unknown 2000 PPM
LC/50	Not Available	Not Available
TLV/TWA	Eyes, Rabbit, adult TDLo. 0 Inhalation, Rat, adult TDLo. 0.856 mg/M ³	Not Available Not Available
Carcinogenicity	This product does not contain any substance(s) listed as a carcinogen by NTP, IARC, or OSHA.	
Teratogenicity/Mutagenicity	Not Available	
Reproductive Effects	Not Available	
Synergistic Materials	Not Available	
Additional Toxicological Data	None Known	

Section 12: Ecological Information

Environmental	Not Available
Ectotoxicological Information	Aquatic toxicity data not available.
Biodegradability	Not Available

Section 13: Disposal Considerations

EPA Hazardous Waste Number	None
Waste Disposal	Waste product must be disposed of properly under Federal, State and Local regulations for industrial waste. Incineration is the recommended method for disposal observing all Local, State and Federal regulations. This product when spilled or disposed of is a non-hazardous waste as defined in 40 CFR Part 261 of the RCRA regulations.

Section 14: Transport Information

U.N. #	NONE
T.D.G. Classification	NA
D.O.T. Classification	Not hazardous.
WHMIS Classification	D2B

Section 15: Regulatory Information

EEC Classification	Irritant
U.S. Federal Regulations	This product is not regulated as a hazardous substance.
US TSCA	All ingredients are listed in the TSCA inventory.

Section 16: Other Information

Do not dilute or mix with other materials unless advised by supplier.
PLEASE NOTE! This product contains alkanolamines. DO NOT ADD solutions containing NITRITES or related NITROSATING agents to this material. Potential carcinogenic NITROSAMINES may be formed.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information provided.