


walker
emulsions

A Walker Industries Company

Safety

Data Sheet

PRODUCT: EZ-GRIND COOLANT CONC.
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	Walker Emulsions Inc. - Department of Research and Development Contact: Steven M. Brown 503-659-1708
Preparation Date	01/20/2011
Revision Date	01/27/2016
Product Number	108994 (prior to 11/1/15: PT0554.48)
Product Name	EZ-Grind Coolant Conc.
CAS Number	Mixture
Chemical Formula	Not Applicable/Mixture
Material Use	Glass Grinding Fluid
24 Hour Emergency Number	Infotrak (800) 535-5053

Section 02: Hazards Identification


Signal Word:

WARNING

Hazards:

H302 Harmful if swallowed.
Acute toxicity, Category 4
H319 Causes serious eye irritation.
Serious eye damage/eye irritation, Category 2/2A
H335 + H336 May cause respiratory irritation, drowsiness or dizziness.
Specific target organ toxicity-single exposure, Category 3
H313 May be harmful in contact with skin.
Acute toxicity, Category 5

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. Prolonged or repeated breathing of mists or sprays can lead to respiratory irritation.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash skin thoroughly after handling.

Response:

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.
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.
P342 + P313 If experiencing respiratory symptoms, get medical advice/attention.
P303 + P361 + P352 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P501: Dispose of contents/container in accordance with local regulations.

Disposal:

Safety Data Sheet

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Section 02: Hazards Identification

Effects of Acute Exposure

Eye Contact

Causes severe irritation.

Ingestion

Ingestion may cause nausea, vomiting, diarrhea.

Inhalation

Inhalation of vapors or mists could cause pulmonary irritation, dizziness and nausea.

Skin Contact

May cause 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.

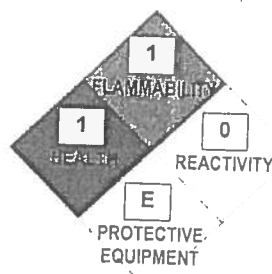
Section 03: Composition and Information on Ingredients

Hazardous Ingredients

Ingred / %	Exposure Levels	C.A.S. #	TSCA	Hazard Rating	LD/LC, Route, Species
BORIC ACID					
0.5 - 1.5		10043-35-3	Y	Health:1, Fire:0, React:0, PP:E	LD/50: See Section 11 LC/50: Not Available
MONOETHANOLAMINE					
0.5 - 1.5		141-43-5	Y	Health:3, Fire:2, React:0, PP:H	LD/50: See Section 11 LC/50: Not Available
TRIETHANOLAMINE					
5 - 10		102-71-6	Y	Health:2, Fire:1, React:0, PP:H	LD/50: See Section 11 LC/50: Not Available
TRIAZINE					
0.5 - 1.5			Y	Health:2, Fire:1, React:1, PP:B	LD/50: See Section 11 LC/50: Not Available

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

DO NOT INDUCE vomiting. Call a physician promptly. Give large quantities of water or milk. 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 if irritation persists.

Section 05: Fire and Explosion Data



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Section 05: Fire and Explosion Data

Flash Range	> 220°F (104.44°C)
Flammability	IIIB
Special Procedures	Not Available
Fire Hazards	Never use welding or cutting torch on or near drum or container, even empty, because product or residues can potentially ignite explosively.
Explosive Range:	Not Applicable.
Hazardous Combustion Products	Not Available
Extinguishing Media	Water spray, dry chemical, chemical foam, or carbon dioxide.
Fire Fighting Media and Instructions	Use self-contained breathing apparatus with full facepiece

Section 06: Accidental Release Measures

Leak/Spill	SMALL SPILLS: Use an inert material (sawdust, kitty litter) or a cellulosic absorbent to absorb spilled product. Flush spill area with plenty of water. LARGE SPILLS: Use caution; spilled material may be extremely slippery. Contain spilled material immediately and prevent from entering the sewer system. Use an appropriate absorbent to absorb spilled product. If available, use liquid vacuum to suction spill into appropriate containers for reuse or disposal.
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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. Store in cool dry area preferably at 70°F.
Storage Needs	Store in cool dry area preferably at 70°F.

Section 08: Exposure Control and Personal Protection

Protective Equipment	Wear approved splashproof chemical goggles.			
Eye/Type	None normally required. However, if exposure to airborne concentrations exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator for organic vapors and/or particulates in accordance with 29 CFR 1910.134. Neoprene rubber gloves are recommended.			
Respiratory/Type				
Gloves/Type	Use adequate ventilation to keep airborne concentrations below the exposure standard.			
Ventilation Requirements				
Occupational Exposure Limits	TRIETHANOLAMINE	MONOETHANOLAMINE	BORIC ACID	TRIAZINE
ACGIH TLV	5.00mg/m ³	3.00PPM	10.00mg/m ³	N/est
ACGIH TLV-C	N/est	N/est	N/est	N/est
ACGIH STEL	N/est	6.00PPM	N/est	N/est
OSHA STEL	N/est	6.00PPM	N/est	N/est
OSHA PEL	3.00PPM	3.00PPM	15.00 mg/m ³	N/est

Section 09: Physical and Chemical Properties

Physical State	Liquid
Appearance	Orange/red



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Safety Data Sheet

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Section 09: Physical and Chemical Properties

Viscosity (cPs, water=1)	Not Available
Volatility (vol%)	0%
Specific Gravity	1.039
pH	9.9 - 10.5
Solubility in Water	Soluble
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 Applicable
VOC	None
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	Ingestion, and/or inhalation of mists or sprays.
Exposure Limits	



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Safety Data Sheet

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Section 11: Toxicological Information

LD/50

TRIETHANOLAMINE

Oral	Rat, adult	LD50 7300. mg/kg
Skin	Rabbit, adult	LD50 2000. mg/kg

MONOETHANOLAMINE

Oral	Rat, adult	LD50 1720. mg/kg
Skin	Rabbit, adult	LD50 1000. mg/kg

BORIC ACID

Oral	Unknown	LD50 2660. PPM
Skin	Unknown	LD50 2. PPM

BORIC ACID

Oral	Unknown	LD50 2660. PPM
Skin	Unknown	LD50 2. PPM

TLV/TWA

Not Available

Carcinogenicity

This product does not contain any substance(s) listed as a carcinogen by NTP, IARC, or OSHA.

Teratogenicity/Mutagenicity

None Known

Reproductive Effects

None Known

Synergistic Materials

None Known

Additional Toxicological Data

Toxicological information is not available for product as supplied.

Section 12: Ecological Information

Environmental

Not Available

Ectotoxicological Information

None known.

Biodegradability

Not Available

Section 13: Disposal Considerations

EPA Hazardous Waste Number

None

Waste Disposal

Product must be disposed of properly under Federal and State regulations for industrial wastes. Recommended disposal is to incinerate material absorbed on cellulosic absorbent. As delivered, this product when spilled, released or disposed of, is a non-hazardous waste as defined in RCRA regulation 40 CFR Part 261.

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 as delivered is not regulated as a hazardous substance.

U.S. Federal Regulations

This product as delivered is not regulated as a hazardous substance.

US TSCA

ALL Ingredients in this product are listed in the T.S.C.A. Inventory



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Safety Data Sheet

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Section 16: Other Information

PLEASE NOTE! DO NOT 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.