

MATERIAL SAFETY DATA SHEET #360



Date-Issued: 01/22/2010

MSDS Ref. No: 360

Date-Revised:

Revision No: New MSDS

Enzyme Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Enzyme Cleaner
PRODUCT DESCRIPTION: Fabric Cleaner
PRODUCT CODE: 360
PRODUCT FORMULATION NAME: Enzyme Cleaner
GENERIC NAME: Fabric Cleaner

MANUFACTURER

Southwest Auto Care ®
Autocare™
17054 South 54th Street
Chandler, Arizona 85226-4118

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 535-5035
Office Phone: (480) 705-0273
Emergency Phone: (888) 846-2442

COMMENTS: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200.

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS#</u>	<u>EINECS#</u>
Disodium Metasilicate (sodium metasilicate)	1 - 3	6834-92-0	
1-butoxypropan-2-ol (Glycol Ether)	3 - 5	5131-66-8	
Triethanolamine	1 - 3	102 -71-6	
Propan-2-ol (isopropyl alcohol)	1 - 3	67-63-0	200-661-0

COMMENTS: Product composition ranges shown are typical values for health, safety and environmental use and are not intended as specification.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: CAUTION! May cause eye and skin irritation.

POTENTIAL HEALTH EFFECTS

EYES: Moderately irritating to the eyes.

SKIN: Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

INGESTION: Irritating to mouth, throat and stomach.

INHALATION: Prolonged or excessive inhalation may cause respiratory tract irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Eye contact may cause redness, tearing and a burning sensation.

SKIN: Repeated or prolonged skin contact may cause redness and irritation.

INGESTION: Ingestion may cause nausea and irritation.

INHALATION: Prolonged inhalation of vapors may cause irritation to nasal and respiratory tract.

ACUTE TOXICITY: May cause headaches and dizziness.

CHRONIC: Not available

CARCINOGENICITY: Not available

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: Not available

MEDICAL CONDITIONS AGGRAVATED: Dermatitis may be aggravated by excessive exposure to skin.

ROUTES OF ENTRY: Include skin contact, skin absorption, eye contact, inhalation and ingestion

TARGET ORGAN STATEMENT: Not available

CANCER STATEMENT: Not available

SENSITIZATION: Not available

HEALTH HAZARDS: Moderately irritating to the eyes.

PHYSICAL HAZARDS: Combustible liquid

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Seek medical attention if irritation persists.

SKIN: Wash with soap and water.

INGESTION: If swallowed, give two glasses of water and induce vomiting. Get medical attention immediately.

INHALATION: Move to fresh air

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: ~52°C TCC

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: Not Available

FLAMMABLE CLASS: Combustible Liquid. Can form explosive mixtures at temperatures at or above the flash point.

GENERAL HAZARD: Combustible liquid. Keep away from heat and open flame.

EXTINGUISHING MEDIA: Use water, foam, dry chemical or co2 extinguisher

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide and Carbon Dioxide

EXPLOSION HAZARDS: Not available

AUTOIGNITION TEMPERATURE: Not available

SENSITIVE TO STATIC DISCHARGE: None expected

SENSITIVITY TO IMPACT: None expected

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Contain and collect with absorbent

LARGE SPILL: LARGE SPILLS: Shut off leak if safe to do so. Contain material to avoid run off and collect spill with absorbent.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep out of reach of Children.

STORAGE: Do not allow to freeze

STORAGE TEMPERATURE: 0°C minimum to 4040°C maximum

SHELF LIFE: Two years

ELECTROSTATIC ACCUMULATION HAZARD: None

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

	<u>EXPOSURE LIMITS</u>					
	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>Supplier OEL</u>	
	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>	<u>ppm</u>	<u>mg/m³</u>
Disodium Metasilicate (sodium metasilicate)						
1-butoxypropan-2-ol (Glycol Ether)						
Triethanolamine						
Propan-2-ol (isopropyl alcohol)	TWA	400	980	400	983	
	STEL			500	1230	

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles.

SKIN: Use Nitrile/ Vinyl gloves

RESPIRATORY: NIOSH respirator -(organic vapor) in absence of proper environmental control.

PROTECTIVE CLOTHING: Clean, body-covering clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: No odor

APPEARANCE: Clear Orange Liquid

pH: ~12.5 to 13.5

PERCENT VOLATILE: 90

VAPOR PRESSURE: Not Available

VAPOR DENSITY: Not Available

BOILING POINT: Not Available

FREEZING POINT: Not Available

SOLUBILITY IN WATER: 100 %

EVAPORATION RATE: Not Available

SPECIFIC GRAVITY: ~1.03 gm/ml at 25°C

(VOC): ~8.5 % by weight

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Avoid high temperatures.

11. TOXICOLOGICAL INFORMATION

SENSITIZATION: Not available

TARGET ORGANS: Not available

SUBCHRONIC:

Not available

CARCINOGENICITY:

IARC: Listed by IARC- NO

NTP: Listed by NTP- NO

OSHA: Listed by OSHA- NO

MUTAGENICITY: Not available

REPRODUCTIVE EFFECTS: Not available

TERATOGENIC EFFECTS: Not available

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not available

ECOTOXICOLOGICAL INFORMATION: Not available

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose in accordance with local, state, and federal laws.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Cleaning Compound N.O.I.

TECHNICAL NAME: Cleaning Compound N.O.I.

15. REGULATORY INFORMATION

16. OTHER INFORMATION

PREPARED BY: Jim Kinzy

REVISION SUMMARY New MSDS

HMIS RATING

HEALTH:	-	1
FLAMMABILITY:		0
REACTIVITY:		0
PERSONAL PROTECTION:		

NFPA CODES

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