SAFETY DATA SHEET

Date Issued- 8/30/18
SDS no. LL-326

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION	L339E
CHEMICAL NAME	Blended abrasive liquid
GENERAL USE	Polish for metal finishing
MANUFACTURER ADDRESS	Osborn 3440 Symmes Rd. Hamilton OH 45015 USA
CONTACT NUMBER	1-513-860-3400
EMERGENCY CONTACT	PLANT OPERATIONS
EMERGENCY PHONE	1-513-678-3672
24 HOUR EMERGENCY TELEPHONE NUMBER	CHEMTREC (24 HOURS) 800-424-9300

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS	CAUTION! May cause eye or skin irritation. Proper protective equipment should be worn. Wash skin after use.

POTENTIAL HEALTH EFFECTS

Eye:	May cause eye irritation
Skin	May cause mild skin irritation
Ingestion	Large oral doses may cause irritation
Inhalation	Avoid breathing dust when used in a buffing process
Chronic	None expected

GHS Label requirements

Pictogram -- None

Signal Word--- None

Hazard Statement

Precautionary Statements

P261	Avoid breathing dust from buffing operations
P264	Wash thoroughly after handling
P280	Wear portective gloves/protective clothing/eye protection/ face protection
P302+P352	If on Skin: Wash with soap and water
P305+P351	If in eyes: Wash cautiously with water for 15 minutes.

3. COMPOSITION/INGREDIENT INFORMATION

Ingredients	CAS	TLV; PEL	Weight %
Aluminum Oxide	1344-28-1	10 mg/M3	30-50%
Fatty Acid /Glyceride		Not Hazardous	4-10%

Water	7732-18-5	Not Hazardous	35-55%
Triethanolamine Stearate	4568-28-9	Not Established	4-10%

4. FIRST AID MEASURES

Inhalation	If exposed to excessive levels of dust, remove to fresh air. Get medical attention if cough, irritation or other symptoms develop.
Skin Contact	Wash with soap and water. Get medical attention if irritation or rash develop.
Eye Contact	Immediately flush eyes with plenty of water for 15 minutes. If abrasive particles are not removed, obtain medical attention.
Ingestion	Swallowing less than an ounce will not cause significant harm. For larger amounts do not induce vomiting, but give two 12 ounce glasses of water and obtain medical advice.

5. FIRE FIGHTING MEASURES

Flash Point	>350 F
Extinguishing Media	Use alcohol foam, carbon dioxide, or dry chemical when fighting fires involving this material.
Fire fighting Procedure	Remove ignition source and fight fire as if it were a grease fire.
Special Protective Equipment	As in any fire, wear self contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.
Hazardous Combustion Products	If heated to high temperature the product may emit carbon monoxide and carbon dioxide

6 ACCIDENTAL RELEASE MEASURES

Environmental Precautons None known

Methods for Clean up Sweep or Scoop up material for reuse or reclaim if possible,
otherwise place in a disposal container for proper disposition.

7. HANDLING AND STORAGE

Handling No special handling requirements are known

Storage Keep out of sun and away from heat sources, as product may melt.
Observe all safeguards for container residue until cleaned or destroyed.
Do not flush to sewers or waterways unless authorized to do so
by appropriate government official.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit Values	10 mg/ m3 as dust
Engineering Measures	Ventilation to keep dust level at exposure limits
Hygiene Measures	
Respiratory Protection	Wear a dust mask
Hand Protection	Wear gloves
Eye Protection	Wear safety glasses with side shields or goggles
Skin Protection	Wash with soap and water before eating or after shift

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Solubility in Water**	None
Color	Blue	**Flash Point**	>350F
Boiling Point	N/A	**Vapor Density**	N/A
Melting Point	N/A	**Evaporation Rate**	N/A
Specific Gravity	> 1.1	**VOC**	None
pH	8.0-9.5	**ODOR**	Mild
Autoignition Temperature	N/A	**Freezing Point**	<32 deg F

10. STABILITY AND REACTIVITY

Stability	Product is stable
Conditions to Avoid	Material can ignite if exposed to a continuous flame or heat source
Incompatible Materials	None known
Hazardous Decomposition Products	If product is involved in a fire, carbon monoxide could be emitted
Hazardous Polymerization	Will Not occur

11. TOXICOLOGICAL INFORMATION

Eyes	May cause irritation from abrasion.
Skin Contact	May cause irritation
Skin Absorption	Not likely
Inhalation	Dust form buffing operation may cause irritation
Swallowing	

12. ECOLOGICAL INFORMATION

Ecological Information	No data available
Bioaccumulative Potential	Bioaccumulation is unlikey
Comments	This product is not believed to be toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

General If discarded, the material in its original unused form is not a RCRA hazardous waste. Disposal should be in accordance with State and Local regulations for the disposal of non-hazardous waste. Be sure to check if compound (after used) has come in contact with a hazardous substance before disposal

Packaging Dispose in clean receptical or box.

14. TRANSPORTATION INFORMATION

DOT	Not regulated
IMDG Classification	Not regulated
ICAO Classification	Not regulated

15. REGULATORY INFORMATION

UNITED STATES

Sara Title III

313 Reportable Ingredients None

302/304 Emergency Planning

Emergency Plan

California Prop 65- **WARNING: This product contains a chemical known to the State of California to cause cancer and/or reproductive harm.**

Ingredient	Cancer	Reproducti
Diethanolamine 111-42-2	Yes	No

CERCLA (Comprehensive Response, Compensation and Liabiity Act)

CERCLA RQ - None

EPA HAZARD CATEGORIES

SARA 311/312 - None

TSCA (Toxic Substance Control Act)

TSCA Status - All ingredients are on the TSCA list

16. OTHER INFORMATION

Revision Number LL326-8

Supersedes Date 1/1/2014

HMIS Rating 1-1-0-0

Manufacturer Disclaimer Metal Dusts from the buffing of brass, zinc and especially magnesium or aluminum along with buffing cloth fibers and compound residues may cause fires or explosions when exposed to a strong ignition source. These fires typically are started in the vent pipes, collector bags or receptacles used in waste gathering from the buffing ventilation system. Make sure that the collectors are changed frequently and the waste kept in a cool, dry environment that is free from sparks or other strong ignition sources. The collection devices should be grounded to minimize static charges.Dust collection receptacles should be designed by engineers who are familiar with the

potential hazard of a flammable or explosive dust. If such a fire occurs, fight the fire with a Class D fire extinguisher. Do not use water or a halogenated extinguishing media.

ve