

SAFETY DATA SHEET



Date Prepared : 06/01/2015

MSDS No : EZShine Liqui-Clean

EZShine Liqui-Clean Engine Degreaser

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: EZShine Liqui-Clean Engine Degreaser**GENERAL USE:** Automotive engine degreaser**CHEMICAL FAMILY:** Mixture**MANUFACTURER**

APS
7455 FM 3009
Schertz, TX 78154
Customer Service: 210-564-3200

24 HR. EMERGENCY TELEPHONE NUMBERS

INFOTRAC (US Transportation): 800-535-5053
Poison Control Center (Medical): 877-800-5553

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Skin Corrosion, Category 1C

GHS LABEL

Causes severe skin burns and eye damage



Corrosion

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H314: Causes severe skin burns and eye damage.

PRECAUTIONARY STATEMENT(S)**Prevention:**

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

6458G8LP: Wash hands thoroughly after handling.

3893WSLU: Wear protective gloves/eye protection

Response:

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310: Immediately call a POISON CENTER/doctor/...

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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Storage:

P405: Store locked up.

Disposal:

3912LZZT: Dispose of contents/container in accordance with local, state and federal regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear liquid

IMMEDIATE CONCERNS: Corrosive. May be harmful or fatal if swallowed or inhaled. Causes severe skin and eye burns. Vapours are extremely irritating to eyes and respiratory tract.

POTENTIAL HEALTH EFFECTS

EYES: Extremely irritating to the eyes and may cause severe damage including blindness.

SKIN: Contact causes severe skin irritation and possible burns if not promptly removed. Prolonged, confined or repeated exposure may cause skin irritation and may lead to dermatitis, that may not be immediately visible.

INGESTION: Causes severe burning and pain to the mouth, esophagus, stomach, and other tissues with which contact is made. May cause vomiting, diarrhea and perforation of the esophagus and stomach lining may occur.

INHALATION: Mist or vapours may cause severe irritation of the nose, throat and respiratory tract. Repeated and/or prolonged exposures may cause productive cough, running nose, bronchopneumonia, pulmonary oedema (fluid build-up in lungs), and reduction of pulmonary function. Can cause injury to entire respiratory tract. Severe exposure may cause lung damage.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Dipropylene Glycol Methyl Ether	1 - 2	34590-94-8
2-propanol	1 - 2	67-63-0
Sodium Tripolyphosphate	5 - 10	7758-29-4
Potassium Hydroxide	1 - 2	1310-58-3

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical professional if blurry vision or irritation develops and persists.

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash or discard clothing and shoes before reuse.

INGESTION: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

INHALATION: Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen Note: Symptoms may be delayed; prompt medical attention may be required. Call a physician.

NOTES TO PHYSICIAN: Severe and sometimes delayed (up to 72 hours) local and systemic reactions can occur.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-flammable

GENERAL HAZARD: Product is not flammable or combustible under normal conditions.

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

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HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, nitrogen and sulfur.

EXPLOSION HAZARDS: Non-explosive

FIRE FIGHTING PROCEDURES: Avoid flow of material into drains. Use a water spray to cool fire-exposed containers. Do not enter any enclosed or confined space without proper PPE.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self contained breathing apparatus as some toxic decomposition products may result from fire conditions.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Soak up with sawdust, sand, oil dry, paper towel or other absorbent material

LARGE SPILL: Confine spill by diking or impoundment. Clean up spill by absorbing with an inert material such as sand, soil, sawdust, oil dry or vermiculite. Sweep up absorbant and dispose according to regulatory requirements. Ventilate area to avoid breathing vapors or dust.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Keep spills and cleaning runoffs out of municipal sewers and open bodies of water if safe to do so.

LAND SPILL: Prevent further leakage or spillage if safe to do so.

AIR SPILL: Ventilate enclosed spaces.

GENERAL PROCEDURES: Neutralize the residue with a dilute solution of acetic acid.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid breathing vapors, mists or spray.

HANDLING: Use care in handling. Avoid contact with eyes, skin, and clothing. Avoid release to the environment. Follow label directions.

STORAGE: Keep container in well ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Dipropylene Glycol Methyl Ether	TWA	100	600	100	
	STEL	150	900	150	
2-propanol	TWA	400	980	400	983
	STEL	500	1225	500	1230
Sodium Tripolyphosphate	TWA		15		10
Potassium Hydroxide	STEL		2		2

ENGINEERING CONTROLS: Use adequate ventilation to control airborne concentrations below the exposure limits/guidelines. If user operations generate a vapor, dust and/or mist, use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits/guidelines.

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PERSONAL PROTECTIVE EQUIPMENT

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

SKIN: Suitable chemical protective gloves should be worn when the potential exists for prolonged or repeated skin exposure. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Nitrile gloves are recommended.

RESPIRATORY: No personal respiratory protective equipment normally required. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard 29 CFR 1910.134 and/or Canadian Standard CSA Z94.4.

PROTECTIVE CLOTHING: Wear suitable protective clothing. Wear appropriate chemical resistant clothing if applicable.

WORK HYGIENIC PRACTICES: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Mild detergent odor

APPEARANCE: Clear red liquid

pH: 12.5

FLASH POINT AND METHOD: > 104°C (220°F)

FLAMMABLE LIMITS: No data available to No data available

AUTOIGNITION TEMPERATURE: Not Established

VAPOR PRESSURE: No data available.

VAPOR DENSITY: No data available.

BOILING POINT: Not Available

FREEZING POINT: (32°F)

MELTING POINT: Not Available

THERMAL DECOMPOSITION: No data available.

SOLUBILITY IN WATER: Completely soluble

EVAPORATION RATE: No data available.

SPECIFIC GRAVITY: 1.043

VISCOSITY: Similar to water

(VOC): 4.400 %

10. STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal storage and handling conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: No hazardous reactions with proper storage and handling.

HAZARDOUS DECOMPOSITION PRODUCTS: Irritating and/or toxic gases may be emitted upon the products decomposition.

INCOMPATIBLE MATERIALS: Oxidizers, metal chlorides and acids.

11. TOXICOLOGICAL INFORMATION**ACUTE**

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Dipropylene Glycol Methyl Ether	> 5000 mg/kg (Rat)	9510 mg/kg (Rabbit)	> 30000 mg/l (Rat)
2-propanol	5500 mg/kg (Rat)	> 12800 mg/kg (Rabbit)	> 10000 mg/l (Rat)
Sodium Tripolyphosphate	5400 mg/kg (Rat)	> 7900 mg/kg (Rabbit)	
Potassium Hydroxide	365 mg/kg (Rat)	1260 mg/kg (Rabbit)	

EYE EFFECTS: Eye Irritation

SKIN EFFECTS: May cause irritation, defatting or dermatitis.

CARCINOGENICITY

Notes: The ingredients of this product are not classed as carcinogenic by ACGIH, IARC, OSHA or NTP.

REPRODUCTIVE EFFECTS: This product is not expected to cause reproductive or developmental effects.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Do not allow to enter soil, waterways or waste water canal.

AQUATIC TOXICITY (ACUTE): May be harmful to aquatic life primarily associated with pH.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Refer to all federal, state and local regulations prior to disposal of container and unused contents by reuse, recycle or disposal. Disposal should be in accordance with applicable regional, national and local laws and regulations. Send to a licensed/permited waste desposer, recycler, reclaimer or incinerator.

EMPTY CONTAINER: Empty containers should be taken to an apporved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

RCRA/EPA WASTE INFORMATION: Wastes of this product must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

RCRA HAZARD CLASS: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Corrosive Liquids, Basic, Inorganic, N.O.S. (Potassium Hydroxide)

PRIMARY HAZARD CLASS/DIVISION: 8

UN/NA NUMBER: 3266

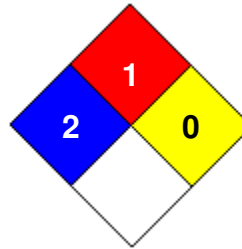
PACKING GROUP: II

PLACARDS: Corrosive

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LABEL: Corrosive**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** All components are listed or otherwise in compliance with notification requirements.**OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)****29 CFR1910.119--PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS:** Corrosive**16. OTHER INFORMATION****PREPARED BY:** APS Compliance Office **Date Prepared:** 06/01/2015**HMIS RATING**

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

NFPA CODES

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