

MATERIAL SAFETY DATA SHEET #300



Date-Issued: 11/03/02
Date-Revised: 11/02/03
Revision No: New MSDS

Red Lightning

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Red Lightning
GENERAL USE: Automotive reconditioning product
PRODUCT DESCRIPTION: Multi Purpose Cleaner
PRODUCT CODE: 300
PRODUCT FORMULATION NAME: Red Lightning
GENERIC NAME: Multi Purpose Cleaner

MANUFACTURER

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

24 HR. EMERGENCY TELEPHONE NUMBERS

INFOTRAC (U.S.): (800) 535-5053
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)	5 - 10	6834-92-0	
2-Butoxyethanol	3 - 7	111-76-2	

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: Substance causes substantial eye irritation.

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.

CHRONIC: Not available

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

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

TARGET ORGAN STATEMENT: Not available

HEALTH HAZARDS: Moderately irritating to the eyes.

PHYSICAL HAZARDS: None

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, DO NOT induce vomiting. Give victim a glass of milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: ~66°C (150°F)TCC

FLAMMABLE LIMITS: Not available

GENERAL HAZARD: None expected

EXTINGUISHING MEDIA: use water, foam, dry chemical or Co2 extinguisher

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide and Carbon Dioxide

EXPLOSION HAZARDS: None expected

AUTOIGNITION TEMPERATURE: Not available

FLAMMABLE LIMIT: Not available

SENSITIVE TO STATIC DISCHARGE: Not available

SENSITIVITY TO IMPACT: Not available

HAZARDOUS DECOMPOSITION PRODUCTS: Not available

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.

HANDLING: None

STORAGE: Do not allow to freeze

STORAGE TEMPERATURE: 0°C (32°F) minimum to 6060°C (140°F) maximum

SHELF LIFE: Two years

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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 - in absence of proper environmental controls.

PROTECTIVE CLOTHING: Clean, body-covering clothing

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: No Odor

APPEARANCE: Clear Red Liquid

pH: >12.5

SOLUBILITY IN WATER: 100 %

SPECIFIC GRAVITY: ~1.06 gm/ml d25/4

(VOC): <10

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: None.

11. TOXICOLOGICAL INFORMATION

SENSITIZATION: Not established

CARCINOGENICITY:

IARC: Listed by IARC- NO

NTP: Listed by NTP- NO

OSHA: Listed by OSHA- NO

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not available

ECOTOXICOLOGICAL INFORMATION: Not available

GENERAL COMMENTS: All ingredients are considered biodegradable.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: NOT REGULATED

TECHNICAL NAME: NOT REGULATED

PRIMARY HAZARD CLASS/DIVISION: N/A

OTHER SHIPPING INFORMATION: Not dangerous material according to CFR49 regulations

15. REGULATORY INFORMATION

16. OTHER INFORMATION

PREPARED BY: Jim Kinzy

REVISION SUMMARY New MSDS

HMIS RATING

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

COMMENTS: The information in this MSDS was obtained from current and reputable sources. However, the data is provided without any warranty, express or implied, regarding its correctness or accuracy. It is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.