

MATERIAL SAFETY DATA SHEET

Product: A.G.E.

MSDS No.: Lastra / F3a

Date: August 4, 2004

Revised: August 19, 2003

Hazardous Material
Identification System

HEALTH HAZARD	1- Slight
FLAMMABILITY HAZARD	1- Slight
REACTIVITY HAZARD	0- Minimal

SECTION 1. PRODUCT IDENTIFICATION

Trade/Material Name: A.G. E.

LAstra AMERICA CORPORATION
2034 N. Jackson
Jacksonville, Texas, 75766

24 HOUR EMERGENCY PHONE NUMBER:
Only for a chemical emergency involving an
accident, spill, leak, fire, or exposure.

Telephone (8am-5pm, Central): (903) 589-9500
CHEMTREC - (800) 424-9300
(International - US (202) 483-7616)

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS No.	PERCENT	EXPOSURE LIMITS	
			OSHA PEL	ACGIH TLV
Water		> 80	None	None
Kerosene	8008-20-6	5 - 10	---	---
Phosphoric acid	7664-38-2	1 - 5	1mg/m3	3mg/m3
Acetic acid	64-19-7	1 - 5	10ppm	
Mineral Spirits	8052-41-3	1 - 5	100ppm	
Cyclohexanone	108-94-1	1 - 5	25ppm	

SECTION 3. HAZARDOUS IDENTIFICATION

OVERVIEW: Dark Brown viscous liquid, sweet odor

TARGET ORGANS: Eyes & skin.

PRIMARY ENTRY ROUTE(S): Eye or skin contact or inhalation.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:	Eye irritation may be caused by prolonged contact.
SKIN CONTACT:	Skin irritation may be caused by prolonged contact.
INHALATION:	Inhalation may cause irritation to nose and throat, central nervous system effects



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INGESTION: Unknown

SECTION 4. FIRST AID MEASURES

FIRST AID:

EYE CONTACT: Flush eyes immediately with copious amounts of water for at least 15 minutes and get medical advice.

SKIN CONTACT: Remove contaminated clothing. Wash affected area immediately with plenty of soap and water. Contact physician if irritation persists. Wash contaminated clothing before re-use.

INHALATION: In any case of breathing difficulty, move the person to fresh air and get medical advice immediately.

INGESTION: Induce vomiting and get medical advice immediately. Never give anything by mouth to an unconscious person.

Wear protective equipment specified in Section 8.

SECTION 5. FIRE FIGHTING MEASURES

FLASH POINT and METHOD: >200F

AUTOIGNITION TEMP.: Not Applicable

EXTINGUISHING MEDIA: CO₂, dry chemical, foam

UNUSUAL FIRE or EXPLOSION HAZARDS: Not Applicable

SPECIAL FIRE-FIGHTING PROCEDURES: Avoid open flame and electrical sparks.

SECTION 6. ACCIDENTAL RELEASE MEASURES

SPILL / LEAK PROCEDURE: Observe all cautions and safety measures that appear in other Sections of this safety data sheet. Contain spill by diking. Collect spill in proper container. Wash spill area with water to remove residues. Do not allow spilled material to enter waterways, groundwater or surrounding soil.

EYE PROTECTION: See Section 8.

OTHER PROTECTIVE EQUIPMENT: See Section 8.

WORK/HYGIENIC PRACTICES: See Section 8.

SECTION 7. HANDLING and STORAGE

STORAGE: Keep container tightly closed when not in use. Store in cool, dry, and well-ventilated place.

HANDLING: Avoid contact with eyes, skin, or clothing. Do not swallow. Routinely wash hands, arms and face with soap and water after handling. See Section 8 for personal protection equipment recommendations.

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PREVENTION OF FIRE AND EXPLOSION: Not Applicable.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use good local exhaust ventilation.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION:	Wear chemical splash goggles.
SKIN PROTECTION:	Use chemical resistant gloves to avoid skin contact.
RESPIRATORY PROTECTION:	Not normally required. Use an approved NIOSH respirator if excessive mist exists.
OTHER PROTECTIVE EQUIPMENT:	Wear apron or lab coat.

WORK/HYGIENIC PRACTICES: Routinely wash hands, arms, and face with soap and water after handling. Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE and ODOR:	Colorless or yellow, transparent liquid.
BOILING POINT:	100OC/212F
EVAPORATION RATE (Butyl Acetate = 1):	<1
VAPOR PRESSURE (psi @ 37.8OC.100OF):	Not Applicable
WATER SOLUBILITY (%):	Appreciable
VAPOR DENSITY (Air = 1 @ 25OC/77OF):	N/A
SPECIFIC GRAVITY H2O = 1):	1.07
pH:	2.2
VOLATILE ORGANICS (lbs. / gallon):	1.2 lbs V.O.C. per gallon of product

SECTION 10. STABILITY and REACTIVITY

STABILITY:	Stable at normal temperature and storage conditions.
CHEMICAL INCOMPATIBILITIES:	None
CONDITIONS TO AVOID:	None
DECOMPOSITION PRODUCTS OR HAZARDOUS COMBUSTION:	N/A
POLYMERIZATION:	Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

NO TESTING HAS BEEN PERFORMED ON THIS PRODUCT.

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Cyclohexanone

Oral rat LD50: 1620 mg/kg; Inhalation rat LC50: 8000ppm/4-hour; Skin rabbit LD50: 1 mL/kg; Irritation: eye rabbit, Standard Draize: 20 mg, severe; skin rabbit, Open Draize: 500 mg, mild. Investigated as a tumorigen, mutagen and reproductive effector.

Ingredient	---NTP Carcinogen---		
	Known	Anticipated	IARC Category
Cyclohexanone (108-94-1)	No	No	3

Kerosene

Standard Draize: skin, rabbit, 500 mg, severe. Oral rat LD50: > 500 mg/kg. Investigated as a tumorigen and mutagen.

Ingredient	---NTP Carcinogen---		
	Known	Anticipated	IARC Category
Kerosene (8008-20-6)	No	No	None

SECTION 12. ECOLOGICAL INFORMATION

NO TESTING HAS BEEN PERFORMED ON THIS PRODUCT.

Cyclohexanone

LC50/96-hour values for fish are over 100 mg/l.

SECTION 13. DISPOSAL INFORMATION

Waste generally can be discharged to a wastewater treatment system after mixing with other facility wastes. Consult appropriate Federal, State, and/or local regulatory agencies to assure proper disposal procedures.

SECTION 14. TRANSPORT INFORMATION

Transportation information provided herein is offered as a guideline. Each shipper is responsible for assuring compliance with D.O.T. and other regulations.

D.O.T. Shipping/Classification and I.D. Number: Not Regulated

UN Classification for air or sea transport: Not Regulated

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SECTION 15. REGULATORY INFORMATION

SARA: The following ingredient(s) subject to reporting of Section 313 of Title III of the Superfund Amendment and Reauthorization Act (SARA) of 1986, C.F.R. Part 372.45:

None

SECTION 16. OTHER INFORMATION

REVISIONS: Rev. a – all

MANUFACTURED AT: 2034 North Jackson, Jacksonville, TX 75766

MSDS PREPARED BY: EH&S Departments

FOR FURTHER INFORMATION: (903) 586-9866 (8am-5pm, Central)

THIS MATERIAL SAFETY DATA SHEET INCLUDES INFORMATION OBTAINED FROM SOURCES BELIEVED TO BE RELIABLE. WESTERN LITHOTECH® HAS MADE A GOOD FAITH EFFORT TO INCLUDE DATA THAT IS ACCURATE AND CURRENT AT THE TIME OF ISSUE. THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OF ANY KIND. LIABILITY IS EXPRESSLY DISCLAIMED FOR ANY LOSS OR INJURY ARISING OUT OF THE USE OF THIS INFORMATION OR THE USE OF ANY MATERIALS DESIGNATED.