



# The Alsa Corporation

## M A T E R I A L   S A F E T Y   D A T A   S H E E T

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PRODUCT NAME: SUN SCREEN CLEAR HARDENER  
PRODUCT CODE: SSCH-1300

HMIS CODES: H F R P  
2\*3 0 G

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER FOR : ALSA Corporation  
2640 East 37th Street  
Vernon, CA 90058

EMERGENCY PHONE : 800-535-5053 / 352-323-3500  
INFORMATION PHONE : (323)581-5200

DATE PRINTED : 1/21/2005  
PREPARER NAME: MSDS Coordinator

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
HEXAMETHYLENE DIISOCYANATE POLYMER	3779-63-3	N/A	N/A	45%-50%
[METHYL ACETATE]	79-20-9	171.3	68 F	25%-30%
ACGIH TLV: 200 ppm TWA				
ACGIH TLV: 250 ppm STEL				
OSHA PEL: 200 ppm TWA				
OSHA PEL: 250 ppm STEL				
[ISOCYANATE PREPOLYMER]	53880-05-0			10%-15%
P-CHLORO-a,a,a-TRIFLUOROTOLUENE	98-56-6	N/A	N/A	0%-5%
ACGIH TLV: 2.5 mg/m3 TWA AS FLUORIDES				
OSHA PEL: 2.5 mg/m3 TWA AS FLUORIDES				
NIOSH: 2.5 mg/m3 TWA AS FLUORIDES				
[LIGHT AROMATIC PETROLEUM SOLVENT]	64742-95-6	4	68 F	0%-5%
[1-BUTYL ACETATE] n-BUTYL ACETATE, BUTYL ETHANOATE, NB	123-86-4	8.4	68 F	0%-5%
ACGIH TLV TWA: 150 ppm				
ACGIH TLV STEL: 200 ppm				
OSHA VPEL TWA: 150 ppm				
OSHA VPEL STEL: 200 ppm				
* 1,2,4-TRIMETHYLBENZENE	95-63-6	N/A	N/A	1
ACGIH TWA 25 ppm				
OSHA TWA 25 ppm				
{N120} [HEXAMETHYLENE DIISOCYANATE] HDI	822-06-0	0.0003	77 F	<1%
ACGIH TLV: 0.005 ppm TWA				
ACGIH TLV: 0.34 mg/m3 TWA				
NIOSH: 0.005 ppm TWA				
NIOSH: 35 ug/m3 TWA				

\* Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.  
N/A

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

BOILING RANGE: 132 F - 318 F                      SPECIFIC GRAVITY (H2O=1): 1.09  
VAPOR DENSITY: Heavier than air                      EVAPORATION RATE: Slower than ether  
V.O.C. grams/liter: 105.54                      V.O.C. lbs./gal.: .88  
SOLUBILITY IN WATER: Insoluble                      SOLIDS BY VOLUME: 56.777  
APPEARANCE AND ODOR: Clear liquid with organic solvent odor

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT: 9 F                                      METHOD USED: TAGCC  
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.38                      UPPER: 16.0

EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical, Water Fog

SPECIAL FIREFIGHTING PROCEDURES

Full protective equipment, including self contained breathing apparatus, is recommended. Water from fog nozzles may be used to cool closed containers to prevent pressure build up.



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### UNUSUAL FIRE AND EXPLOSION HAZARDS

When heated above flashpoint, emits flammable vapors which, when mixed with air, can burn or become explosive. Fine mists or sprays may be flammable below the flash point.

### ===== SECTION V - REACTIVITY DATA =====

STABILITY: Stable

#### CONDITIONS TO AVOID

Avoid all sources of ignition

#### INCOMPATIBILITY (MATERIALS TO AVOID)

Strong oxidizing materials

#### HAZARDOUS DECOMPOSITION OR BYPRODUCTS

May produce hazardous fumes when heated to decomposition. Fumes may contain Carbon Monoxide and Carbon Dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

### ===== SECTION VI - HEALTH HAZARD DATA =====

#### INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause nose and throat irritation. Repeated and prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Eye watering, headaches, nausea, dizziness, and loss of coordination are signs that solvent levels are too high.

Individuals with breathing problems must not be exposed to this product. If affected by inhalation, remove to fresh air. If breathing difficulty persists, consult a physician.

#### SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

May cause irritation or burning of the eyes. Repeated and prolonged skin contact may cause skin irritation or dermatitis. In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes; call a physician. In case of skin contact, wash with soap and water. If irritation occurs, contact a physician.

#### INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

Gastrointestinal distress. In the unlikely event of ingestion, call a physician immediately and have the names of all ingredients available.

#### HEALTH HAZARDS (ACUTE AND CHRONIC)

ACUTE- Dizziness, irritation of the respiratory tract, weakness, nausea, or possible narcosis or even asphyxiation. May be accompanied by coughing or labored breathing.

CHRONIC- Reports have linked organic solvents with brain and nervous system damage.

Misuse of this product by deliberately concentrating and inhaling the contents may be harmful or fatal.

CARCINOGENICITY: NTP CARCINOGEN: Yes IARC MONOGRAPHS: Yes

PROPOSITION 65 STATEMENT: WARNING! This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

OSHA REGULATED: Yes

#### MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Do not use this product if you have chronic lung or breathing problems.

#### EMERGENCY AND FIRST AID PROCEDURES

If ingestion or any type of overexposure or symptoms of overexposure occur during the use of



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this product, contact a poison control center, emergency room or physician immediately; have material safety data sheet available.

### ===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition (sparks, flames, and hot surfaces). Avoid breathing vapors. Ventilate area. Remove with an inert absorbent and non-sparking tool.

#### WASTE DISPOSAL METHOD

Dispose in accordance with state, federal and local regulations. Do not incinerate closed containers.

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers tightly closed in a cool, dry, well ventilated area away from all possible ignition sources. Store large quantities of material in buildings designed for the storage of flammable liquids.

#### OTHER PRECAUTIONS

Employees should be trained in safety measures that should be taken when using this product.

### ===== SECTION VIII - CONTROL MEASURES =====

#### RESPIRATORY PROTECTION

Avoid breathing vapors or spray mist. Wear a properly fitted respirator approved by NIOSH/MSHA (TC-23c) for use with paints during application and until all vapors are exhausted. In confined areas, or where continuous spray operations are typical, or proper respirator fit is not possible, wear a positive-pressure supplied air respirator (TC-19c). In all cases follow respirator manufactures directions for respirator use. Do not allow anyone without protection into the painting area.

#### VENTILATION

Provide sufficient ventilation to keep contaminates below applicable OSHA requirements.

#### PROTECTIVE GLOVES

Neoprene gloves impervious to organic solvents are recommended.

#### EYE PROTECTION

Use safety eyewear designed to protect against liquid splash.

#### OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Impervious coveralls are recommended.

#### WORK/HYGIENIC PRACTICES

Eye wash and safety showers in the work place are recommended. Wash hands before eating and smoking.

### ===== SECTION IX - DISCLAIMER =====

The information contained in this material safety data sheet is information from our suppliers and other sources. It is believed to be reliable. This data is not to be taken as a warranty or representation for which this company assumes legal responsibility.