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H.M.I.S.	
HEALTH	1*
FLAMMABILITY	2
REACTIVITY	0
These ratings should be used only as part of fully implemented H.M.I.S. program.	

# MATERIAL SAFETY DATA SHEET

## SECTION I

PRODUCT CLASS ALKYD PAINT	DATE OF PREPARATION 4/25/94
TRADE NAME CELLU-TONE ALKYD SATIN ENAMEL BASE 3	
MANUFACTURER CODE I.D. S 5793 020791 A	

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	% BY WGT	CAS NO.	ALLOWABLE EXPOSURE LEVEL		SARA 313	VP
			PPM	MG/CU.M.	MPPCF SKIN	mm Hg @ 20 DEG.C
STODDARD SOLVENT	10	8052-41-3	TLV-TWA	100	525	
			OSHA-PEL	100	525	
			LFL	.8		
MINERAL SPIRITS	10	64742-88-7	TLV-TWA	100	525	2
			OSHA-PEL	100	525	
			LFL	1.0	UFL 7.0	
SILICA, CRYSTALLINE	< 1	14808-60-7	TLV-TWA	0.1000		
			OSHA-PEL	0.1000		
ALIPHATIC HYDROCARBONS.	10	64742-96-7	NONE ESTABLISHED			

LFL = LOWER FLAMMABILITY LIMIT PERCENT  
 UFL = UPPER FLAMMABILITY LIMIT PERCENT  
 SKIN = SKIN ABSORPTION MUST BE CONSIDERED AS A ROUTE OF EXPOSURE  
 C-CEILING= ALLOW. EXPOSURE LEVEL SHOULD NOT BE EXCEEDED FOR ANY TIME PERIOD  
 MFR = MANUFACTURER RECOMMENDED EXPOSURE LIMIT  
 STEL = SHORT TERM EXPOSURE LIMIT  
 X-SARA 313 = CHEMICAL IS SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313  
 OF TITLE III OF S.A.R.A. 40 CFR PART 372

## SECTION III - HEALTH INFORMATION

### EFFECTS OF SHORT TERM OVEREXPOSURE

#### SWALLOWING

Can cause gastrointestinal irritation, nausea, and vomiting. Aspiration of material into lung may cause chemical pneumonitis which can be fatal.

#### INHALATION

May cause nose or throat irritation. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.

#### EYE

May cause eye irritation.

#### SKIN

May cause defatting and irritation of the skin.

### EFFECTS OF REPEATED OVEREXPOSURE

Repeated and prolonged occupational overexposure to crystalline silica may cause silicosis, a progressively disabling lung disease.

Preexisting respiratory conditions may be aggravated by exposure to crystalline silica.

Reports have associated prolonged and repeated occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

### SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH.

The International Agency for Research on Cancer considers crystalline silica to have limited evidence of carcinogenicity in humans and sufficient evidence in experimental animals (IARC Group 2A).

## SECTION IV - FIRST AID AND EMERGENCY PROCEDURES

### SWALLOWING

If swallowed do not induce vomiting. Call poison control center, hospital emergency room or physician immediately.

### INHALATION

Remove to fresh air immediately. If breathing has stopped, give artificial respiration. Keep warm and quiet. Get medical attention immediately.

### EYE

Flush with large amounts of water, lifting upper and lower lids occasionally. Continue for at least 15 minutes. Get medical attention.

### SKIN

Remove contaminated clothing. Wash affected area with soap and water. Obtain medical attention if irritation persists.

**SECTION IV - FIRST AID AND EMERGENCY PROCEDURES; (CONTINUED)****NOTES TO PHYSICIAN**

Any treatment that might be required for overexposure should be directed at the control of symptoms and the clinical conditions.

**SECTION V - PHYSICAL DATA**

**BOILING RANGE** 280 DEG.F. ( 138 DEG.C.) TO 550 DEG.F.( 288 DEG.C.)  
**VAPOR DENSITY** Heavier than air. % **VOLATILE BY VOLUME** 44  
**EVAPORATION RATE** VOC 3.05 lb/gal less water & NFRS\* 366 g/l less water CALCULATED  
Slower than diethyl ether.  
**WEIGHT LB./GAL.** 10.7 VOC 5.46 lb/gal solids 655 g/l solids CALCULATED  
**SPECIFIC GRAVITY** 1.3

All Physical data determined at 68 DEG. F. (20 DEG. C.) 760 mm Hg

\* Negligibly Photochemically Reactive Materials

**SECTION VI - FIRE AND EXPLOSION DATA****NFPA FLAMMABILITY CLASSIFICATION**

COMBUSTIBLE LIQUID - CLASS II

**FLASHPOINT** 106 DEG.F, SFCC ( 41 DEG.C,)**EXTINGUISHING MEDIA**

Use NFPA Class B Fire extinguishers (carbon dioxide, all purpose dry chemical or alcohol foam) designed to extinguish flammable liquid fires. Polymer foam is preferred for large fires.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and flame. Closed containers may explode when exposed to extreme heat.

**SPECIAL FIRE FIGHTING PROCEDURES**

Firefighters should wear self-contained breathing apparatus. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

**SECTION VII - REACTIVITY DATA****STABILITY**

Normally stable.

**CONDITIONS TO AVOID**

Avoid excessive heat (>115 F (46 C) and sources of ignition.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Strong acids or alkaline materials.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Burning, including when heated by welding or cutting, will produce smoke, carbon monoxide and carbon dioxide.

**HAZARDOUS POLYMERIZATION**

Will not occur

**CONDITIONS TO AVOID**

Keep away from heat sparks and flame.

**SECTION VIII - ENVIRONMENTAL INFORMATION****STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

Wear respirators, eye, hand, and body protection appropriate for the size of the spill and the exposures encountered. Keep spectators away. Eliminate all ignition sources (flames, hot surfaces, and sources of electrical, static or frictional sparks). Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

**WASTE DISPOSAL**

Dispose in accordance with federal, state and local regulations.

**RCRA CLASSIFICATION**

This product, if discarded directly, would be classified a hazardous waste based on its ignitability characteristic, i.e. has a flash point of 140 deg. F. (60 deg.C) or less. The proper RCRA classification would be D001.

**ENVIRONMENTAL HAZARDS**

None known

**SECTION IX - PERSONAL PROTECTION INFORMATION****RESPIRATORY PROTECTION**

Proper selection of respiratory protection depends upon many factors including duration/level of exposure and conditions of use. In general exposure to organic chemicals such as those contained in this product may not require the use of respiratory protection if used in well ventilated areas. In restricted ventilation areas a NIOSH approved chemical cartridge respirator may be required. Under certain conditions, such as spraying, a mechanical prefilter may also be required. In confined areas use a NIOSH/

**SECTION IX - PERSONAL PROTECTION INFORMATION; (CONTINUED)**

**RESPIRATORY PROTECTION**

MSHA approved air supplied respirator. If the TLV's listed in Section II are exceeded use a properly fitted NIOSH/MSHA approved respirator with an appropriate protection factor. Refer to OSHA 29 CFR 1910.134 "Respiratory Protection", and "Respiratory Protection A Manual And Guideline, American Industrial Hygiene Assoc."

**VENTILATION**

Provide local exhaust ventilation in sufficient volume and pattern so as to maintain exposures below nuisance dust limits and permissible exposure limits which may be listed in Section II. Refer to Industrial Ventilation - A Manual for Recommended Practice - American Conference Of Governmental Industrial Hygienists.

**HAND PROTECTION**

Solvent impermeable gloves are required for repeated or prolonged contact.

**EYE PROTECTION**

Wear safety spectacles.

**OTHER PROTECTIVE EQUIPMENT**

Eyewash facility, safety shower.

**SECTION X - SPECIAL PRECAUTIONS**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Do not store above 115 deg. F (46 deg. C) store large quantities in compliance with OSHA 29 CFR 1910.106.

**OTHER PRECAUTIONS**

Do not take internally. Close container after each use.  
Do not breathe sanding dust.  
Empty containers must not be washed and re-used for any purpose.  
Containers should be grounded and bonded to the receiving container.  
Do not weld, braze or cut on empty container.  
Never use pressure to empty. Drum is not a pressure vessel.

**SECTION XI - OTHER INFORMATION**

**US DOT HAZARDOUS MATERIAL INFORMATION**

**PROPER SHIPPING NAME:** PAINT

**HAZARD CLASS:** COMBUSTIBLE LIQUID

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