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H.M.I.S.  
HEALTH 2\*  
FLAMMABILITY 3  
REACTIVITY 0  
These ratings should be used only  
as part of full implemented  
H.M.I.S. program.

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

SECTION 1 - PRODUCT INFORMATION

DATE OF PREPARATION 9/19/05

TRADE NAME..... FORMICA F155 05M RED PAIL/5GAL    PHYSICAL FORM: SOLVENT  
  
MANUFACTURER CODE I.D. F155\_05M                    (Formerly a Sovereign Specialty Chemical Inc Product)  
  
SOVEREIGN MANUFACTURER CODE I.D. F155 05M

SECTION 2 - HAZARDOUS INGREDIENTS/COMPOSITION INFORMATION

INGREDIENT	% BY WGT	CAS NO.	ALLOWABLE EXPOSURE LEVEL				SARA 313	VP mm Hg @ 20 DEG.C
			PPM MG/CU.M.		SKIN			
TOLUENE	15	108-88-3	TLV-TWA	50	188	SKIN	X	22
			OSHA-PEL	200	752			
			OSHA-STEL	500	1880	10 MIN		
			OSHA-CEIL	300	1128			
			LFL	1.7	UFL		7.1	
ACETONE		67-64-1	TLV-TWA	750	1780			180
			TLV-STEL	1000	2375			
			OSHA-PEL	750	1800			
			OSHA-STEL	1000	2400			
			LFL	2.6	UFL			
HEXANE	30	110-54-3	TLV-TWA	50	180	X		120
			OSHA-PEL	500	1800			
			LFL	1.0	UFL			
HEXANE ISOMERS		HM2116	TLV-TWA	500	1800			
			TLV-STEL	1000	3600			
METHYLCYCLOPENTANE		96-37-7	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 3 - HAZARDS IDENTIFICATION

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

### SECTION 3 - HAZARDS IDENTIFICATION (Continued)

#### INHALATION

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 overexposure to toluene may cause liver damage.

Repeated overexposure to n-hexane may cause damage to the peripheral nervous system.

Exposure to Methyl Ethyl Ketone may enhance the neurotoxicity of n-Hexane and Methyl-n-Butyl Ketone. This synergistic effect has resulted in peripheral neuropathy in humans.

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.

Toluene has been found to cause kidney, lung and spleen damage in laboratory animals.

### SECTION 4 - FIRST-AID MEASURES

#### 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, use waterless skin cleaner followed by soap and water wash. Obtain medical attention if irritation persists.

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

#### NOTES TO PHYSICIAN

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

### SECTION 5 - FIRE-FIGHTING MEASURES

NFPA FLAMMABILITY CLASSIFICATION      FLAMMABLE LIQUID - CLASS IB

FLASHPOINT                      -9 DEG.F,SFCC                      ( -23 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.

DANGER! EXTREMELY FLAMMABLE. VAPORS MAY CAUSE FLASH FIRE.

#### 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 6 - ACCIDENTAL RELEASE MEASURES

#### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

Keep spectators away. Eliminate all ignition sources (flames, hot

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES (Continued)**

### **STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED**

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 7 - HANDLING AND STORAGE**

### **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 29CFR1910.106.

### **OTHER PRECAUTIONS**

Do not take internally. Close container after each use.  
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 8 - EXPOSURE CONTROLS**

### **RESPIRATORY PROTECTION**

Proper selection of respiratory protection depends upon many factors including duration and 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 areas of restricted ventilation a NIOSH approved organic vapor respirator may be required. Under certain conditions, such as spraying, a mechanical prefilter may also be required. In confined areas or in high exposure situations a NIOSH/MSHA approved air supplied respirator may be required. If the TLV's or PEL'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 Association".

### **VENTILATION**

Use general dilution and local exhaust ventilation in sufficient volume and pattern to keep concentrations of hazardous ingredients listed in Section II below the lowest exposure limit stated. Fumes emitted while baking this product must be properly vented. Refer to "Industrial Ventilation a Manual of Recommended Practice"-ACGIH.

### **HAND PROTECTION**

Solvent impermeable gloves are required for repeated or prolonged contact.

### **EYE PROTECTION**

Wear safety glasses meeting the specifications of ANSI Z87.1 where no contact with the eye is anticipated. Chemical safety goggles meeting the specifications of ANSI Z87.1 should be worn whenever there is a possibility of splashing or other contact with the eyes.

### **OTHER PROTECTIVE EQUIPMENT**

Eyewash facility, safety shower.

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**BOILING RANGE** 130 DEG.F. ( 54 DEG.C.) TO 233 DEG.F.( 112 DEG.C.)

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (Continued)**

<b>VAPOR DENSITY</b>	Heavier than air.	<b>% VOLATILE BY VOLUME</b>	88	
<b>EVAPORATION RATE</b>	VOC 5.13 lb/gal less water& NPRS* Slower than diethyl ether.	616 g/l less water		CALCULATED
<b>WEIGHT LB./GAL.</b>	6.6	VOC 33.87 lb/gal solids	4064 g/l solids	CALCULATED
<b>SPECIFIC GRAVITY</b>	0.8			

All Physical data determined at 68 DEG. F. (20 DEG. C.) 760 mm Hg  
\* Negligibly Photochemically Reactive Materials

**SECTION 10 - STABILITY AND REACTIVITY**

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. In addition, hydrogen chloride, chlorine, may be generated.  
HAZARDOUS POLYMERIZATION  
Will not occur  
CONDITIONS TO AVOID  
None known

**SECTION 11 - TOXICOLOGICAL INFORMATION**

No information available.

**SECTION 12 - ECOLOGICAL INFORMATION**

No information available.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

See Section 6.

**SECTION 14 - TRANSPORT INFORMATION**

**ITEM: F155\_05M** **DESC/SIZE: FORMICA F155 05M RED PAIL/5GAL**

MODE	PROPER SHIPPING NAME	CLASS	I.D.#	PKG	GRP
	NAERG: 3-05				
IATA (AIR)	PROHIBITED				
DOT (HM-181) (DOMESTIC SURFACE)	ADHESIVES	3	UN1133	II	
	NAERG: 128				
IMDG CODE (OCEAN)	ADHESIVES	3	UN1133	II	

NOTE! The assignment of Proper Shipping Names is in part a function of the size of the product container and the transport mode. For example, the Proper Shipping Name for a bulk container can differ significantly from the Proper Shipping Name for the same product packaged in a non-bulk container. This can also be true for products shipped via different modes of transportation (i.e. ground, air, ocean). The descriptions provided above are intended to provide some guidance. However, these descriptions may not apply to your package size or mode of shipment.

#### SECTION 14 - TRANSPORT INFORMATION (Continued)

The U.S. Code of Federal Regulations, 49 CFR - Transportation, regulations, and the policies established by some transporters, require that the shipper properly classify and assign a Proper Shipping Name, and label, mark and package the material properly. Therefore, the user of this information is cautioned to consult with applicable regulations, and with qualified advisors prior to the repackaging and or reshipment of this or other any product which contain this product.

#### SECTION 15 - REGULATORY INFORMATION

WARNING: This product contains  
TOLUENE;  
a chemical known to the State of California to cause birth defects or other reproductive harm.

INGREDIENT	CAS NO.	DETAIL INVENTORY LIST INFORMATION
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TOLUENE	108-88-3	TSCA(8a CAIR) TSCA(8a PAIR) TSCA(8d) DSL
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ACETONE	67-64-1	TSCA(12b) TSCA(4) DSL
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HEXANE	110-54-3	TSCA(12b) TSCA(4) DSL
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HEXANE ISOMERS	HM2116	DSL
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METHYLCYCLOPENTANE	96-37-7	TSCA(12b) TSCA(4) TSCA(8a PAIR) TSCA(8d) TSCA(8d term) DSL
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#### DETAIL INVENTORY LIST DESCRIPTION

TSCA/Toxic Substances Control Act  
(12b)Notices of Export  
(4)Test Rules  
(8a CAIR)Comprehensive Assessment Information Rules  
(8a PAIR)Preliminary Assesment Information Rules  
(8d)Health and Safety Reporting Rules  
(8d term)Health and Safety Reporting Rules termination  
DSL/Canadian Domestic Substance List

#### SECTION 16 - OTHER INFORMATION

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Corporation has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel

**SECTION 16 - OTHER INFORMATION (Continued)**

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