

Henkel Corporation  
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H.M.I.S.  
 HEALTH 3+  
 FLAMMABILITY 3  
 REACTIVITY 0  
 These ratings should be used only  
 as part of full implemented  
 H.M.I.S. program.

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT INFORMATION

DATE OF PREPARATION 5/29/07

TRADE NAME..... ADHESIVE FLAMMABLE PHYSICAL FORM: SOLVENT  
 MANUFACTURER CODE I.D. 4754 (Formerly a Sovereign Specialty Chemical Inc Product)  
 Solvent Base

SECTION 2 - HAZARDOUS INGREDIENTS/COMPOSITION INFORMATION

INGREDIENT	% BY NGT	CAS NO.	ALLOWABLE EXPOSURE LEVEL		SARA 313	VP mm Hg @ 20 DEG.C	
			PPM	MG/CU.M.	SKIN		
ACETONE		67-64-1	TLV-TWA	500	1188		180
			TLV-STEL	750	1800		
			OSHA-PEL	750	1800		
			OSHA-STEL	1000	2400		
			LFL	2.6	UFL 13.0		
METHYL ETHYL KETONE	15	78-93-3	TLV-TWA	200	590	X	78
			TLV-STEL	300	885		
			OSHA-PEL	200	590		
			OSHA-STEL	300	885		
			LFL	1.4	UFL 11.4		
TOLUENE	20	108-88-3	TLV-TWA	20	75	SKIN X	22
			OSHA-PEL	200	752		
			OSHA-STEL	300	1128	10 MIN	
			OSHA-CEIL	500	1880		
			LFL	1.7	UFL 7.1		
PHENOLIC RESIN		TRSN9502R03	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

Henkel Corporation  
4754

PAGE 2  
DATE 5/29/07

### SECTION 3 - HAZARDS IDENTIFICATION (Continued)

#### INHALATION

central nervous system depression characterized by headaches, dizziness, nausea and confusion.

#### EYE

May cause eye irritation.

#### SKIN

Liquid material may be absorbed through the skin in harmful amounts. Repeated skin contact with a resin containing phenol and formaldehyde can lead to sensitization and dermatitis. Absorption of phenolic solutions through the skin can be very rapid and can be fatal.

#### EFFECTS OF REPEATED OVEREXPOSURE

Repeated overexposure to toluene may cause liver damage. 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. Laboratory studies involving rats indicate some evidence that Methyl Ethyl Ketone may be embryotoxic, fetotoxic and teratogenic.

### SECTION 4 - FIRST-AID MEASURES

#### SWALLOWING

If swallowed do not induce vomiting. (Never give anything by mouth to an unconscious person). 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 immediately.

#### SKIN

Immediately flush the contaminated area with large amounts of water. Remove contaminated clothing as water is applied. Consult a physician.

#### 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 -1 DEG.F,SPCC (-18 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

Refer to Section 8 and don respirators, eye, hand, and body protection

Henkel Corporation  
4754

PAGE 3  
DATE 5/29/07

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

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

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 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. Avoid skin contact. 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/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/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 immediate or prolonged contact. Refer to glove manufacturer's recommendations and specifications.

##### 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.  
As required to prevent skin contact.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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

Henkel Corporation  
4754

PAGE 4  
DATE 5/29/07

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES (Continued)

VAPOR DENSITY	Heavier than air.	% VOLATILE BY VOLUME	74	
EVAPORATION RATE	VOC 4.06 lb/gal less water & NPRS* Slower than diethyl ether.	487 g/l less water		CALCULATED
WEIGHT LB./GAL.	7.2	VOC 9.81 lb/gal solids	1177 g/l solids	CALCULATED
SPECIFIC GRAVITY	0.9			

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.

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:	4754	DESC/SIZE: ADHESIVE FLAMMABLE		
MODE	PROPER SHIPPING NAME	CLASS	I.D.#	PKG GRP
	NAERG: 3-05			
IATA (AIR)	ADHESIVES, LTD QTY	3	UN1133	II
	NAERG: 3L			
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.

Henkel Corporation  
4754

PAGE 5  
DATE 5/29/07

#### 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

All ingredients in this product are listed on the US TSCA Inventory.

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
ACETONE	67-64-1	TSCA(4) DSL
METHYL ETHYL KETONE	78-93-3	TSCA(8a PAIR) TSCA(8d) DSL
TOLUENE	108-88-3	TSCA(8a CAIR) TSCA(8a PAIR) TSCA(8d) DSL
PHENOLIC RESIN	TRSN9502R03	No information available.

#### DETAIL INVENTORY LIST DESCRIPTION

TSCA/Toxic Substances Control Act  
(4)Test Rules  
(8a CAIR)Comprehensive Assessment Information Rules  
(8a PAIR)Preliminary Assessment Information Rules  
(8d)Health and Safety Reporting Rules  
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 Corporation's products. In light of the foregoing, Henkel Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

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For Safety and Regulatory Information contact:  
Product Safety and Regulatory Affairs,

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PAGE 07/12

Henkel Corporation  
4754

PAGE 6  
DATE 5/29/07

SECTION 16 - OTHER INFORMATION (Continued)

Rocky Hill, CT  
860-571-5204