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H.M.I.S.
HEALTH 3*
FLAMMABILITY 0
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 9/25/06

TRADE NAME..... **FORMICA F100 SUPER+ 4GAL/CASE** PHYSICAL FORM: **SOLVENT**

MANUFACTURER CODE I.D. **F100SPLUS-01M (Formerly a Sovereign Specialty Chemical Inc Product)**

SOVEREIGN MANUFACTURER CODE I.D. **F100S+ 01M**

SECTION 2 - HAZARDOUS INGREDIENTS/COMPOSITION INFORMATION

INGREDIENT	% BY WGT	CAS NO.	ALLOWABLE EXPOSURE LEVEL	PPM	MG/CU.M.	SKIN	SARA 313	VP mm Hg @ 20 DEG.C
TOLUENE	< 5	108-88-3	TLV-TWA	50	188	SKIN	X	22
			OSHA-PEL	200	752			
			OSHA-STEL	300	1128	10 MIN		
			OSHA-CEIL	500	1880			
			LFL 1.7		UFL 7.1			
METHYLENE CHLORIDE	80	75-09-2	TLV-TWA	50	174		X	350
			OSHA-PEL	25	87			
			OSHA-STEL	125	437	15 MIN		
			LFL 16.0		UFL 66.0			
NAPTHA (PETROLEUM) HEAVY ALKYLATE		64741-65-7	MFR	100	525			

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

Prexisting heart conditions may be aggravated by exposure to Methylene Chloride.
May cause narcotic effects.
Exposure to chlorinated solvents may result in liver and kidney, and heart sensitization.
Overexposure may cause unconsciousness and possible death.
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.
Reduces the blood's oxygen-carrying capacity by the formation of carboxy-hemoglobin. Reduced blood oxygen levels may be harmful to users, especially those with existing heart disease.
EYE
May cause eye irritation.
SKIN
May be absorbed through the skin in harmful amounts.
May cause severe skin irritation.

EFFECTS OF REPEATED OVEREXPOSURE
Repeated overexposure to toluene may cause liver damage.
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.
Solvent exposure may result in liver and kidney, and heart sensitization.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH.
Toluene has been found to cause kidney, lung and spleen damage in laboratory animals.
Methylene Chloride has been identified as a potential carcinogen by the International Agency For Research on Cancer (IARC Group 2B - Probable Human Carcinogen) and as a substance "Reasonably Anticipated To Be A Carcinogen" by the National Toxicology program (NTP Group 2). These classifications are based on animal studies (mice & rats) which indicated a dose related incidences in lung, liver and mammary tumors. Human epidemolgical studies indicate that the potential carcinogenic effect of methylene chloride is dose dependent. This is supported by the observation of an increased incidence of liver cancer subsequent to high exposure (140 -470 ppm) in a film production plant. Workers in another facility who were exposed to a much lower concentration (26 ppm) showed no increase in cause specific death.

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 immediately.

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
Do not give stimulants. Epinephrine or ephedrine may adversely affect the heart with fatal results.

SECTION 5 - FIRE-FIGHTING MEASURES

NFPA FLAMMABILITY CLASSIFICATION Not Applicable

FLASHPOINT Not applicable

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
This product contains halogenated hydrocarbons; contact with aluminum

SECTION 5 - FIRE-FIGHTING MEASURES (Continued)

UNUSUAL FIRE AND EXPLOSION HAZARDS
may cause violent reaction and or explosion.
Manufacturer's of Methylene Chloride report no flash point using the TOC, TCC, and COC methods. However, it is known that methylene chloride does have a flammable range 14% (LFL) and 22% (UFL) at 25 deg C. These represent very high concentrations that would present very serious employee exposures relative to OSHA and ACGIH standards. Due to the lack of a typical flashpoint some confusion exists regarding the assignment of HMIS flammability ratings. Some suppliers have suggested that a flammability rating of 1 should be assigned to methylene chloride. Others suggest that the lack of a true flashpoint requires that a zero flammbility rating be assigned. Prevent circumstances which would result in methylene chloride concentrations within the flammable range as well as exposure of liquid or vapor to sources of ignition. Please keep in mind that the presence of other flammable substances in this or other product mixtures may alter the flashpoint and increase the flash fire risk and the HMIS flammability rating.

SPECIAL FIRE FIGHTING PROCEDURES
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
The use of a NIOSH/MSHA approved, TC19C, air-supplied breathing apparatus may be required. Consult with a qualified occupational health and /or safety professional.
Refer to Section 8 and don respirators, eye, hand, and body protection appropriate for the size of the spill and the exposures encountered.

WASTE DISPOSAL
Dispose in accordance with federal, state and local regulations.

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.
THIS PRODUCT IS INTENDED TO BE USED ONLY BY THE PROFESSIONAL (INDUSTRIAL) APPLICATOR UNDER PROPERLY CONTROLLED CONDITIONS. A QUALIFIED OCCUPATIONAL HEALTH PROFESSIONAL SHOULD EVALUATE EXPOSURES TO THIS PRODUCT.
THE USE OF THIS PRODUCT IN CONFINED AREAS MAY RESULT IN DANGEROUS AIRBORNE CONCENTRATIONS. THIS MAY CAUSE THE SERIOUS HEALTH EFFECTS DESCRIBED IN SECTION III OF THIS MSDS.
Empty containers must not be washed and re-used for any purpose.
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

SECTION 8 - EXPOSURE CONTROLS (Continued)

RESPIRATORY PROTECTION
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 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. Remove decomposition products that are generated when welding, cutting, or brazing objects coated with this product. Refer to "Industrial Ventilation - A Manual of Recommended Practice " ACGIH .

HAND PROTECTION
Wear appropriate impermeable gloves (North- Silver Shield).

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 102 DEG.F. (39 DEG.C.) TO 387 DEG.F.(197 DEG.C.)

VAPOR DENSITY Heavier than air. **% VOLATILE BY VOLUME** 86

EVAPORATION RATE **VOC** 2.47 **lb/gal less water& NPRS*** 296 **g/l less water** CALCULATED
Slower than diethyl ether.

WEIGHT LB./GAL. 10.7 **VOC** 3.79 **lb/gal solids** 455 **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 10 - STABILITY AND REACTIVITY

STABILITY
Avoid open flames, welding arcs or other high temperature sources which induce thermal decomposition.

CONDITIONS TO AVOID
None known

INCOMPATABILITY (MATERIALS TO AVOID)
Aluminum
Strong acids or alkaline materials.
This product contains halogenated hydrocarbons which may react with aluminum. Avoid contact with aluminum in situations in which pressures may be elevated or in which reactions may be enclosed. Do not use spray equipment systems containing aluminum parts.

HAZARDOUS DECOMPOSITION PRODUCTS
Burning, including when heated by welding or cutting, will produce smoke, carbon monoxide and carbon dioxide. In addition, phosgene,formaldehyde ,hydrogen chloride,chlorine, may be generated.

HAZARDOUS POLYMERIZATION
Will not occur

CONDITIONS TO AVOID
This product contains halogenated hydrocarbons which may decompose to form hydrogen chloride, chlorine, and phosgene when in contact with hot surfaces, open flames, and U.V. radiation. Do not use this material near welding operations.

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: F100SPLUS-01M DESC/SIZE: FORMICA F100 SUPER+ 4GAL/CASE

MODE	PROPER SHIPPING NAME	CLASS	I.D.#	PKG GRP
IATA				
(AIR)	ADHESIVES, NOT REGULATED			
DOT (HM-181)				
(DOMESTIC SURFACE)	ADHESIVES, NOT REGULATED			
IMDG CODE				
(OCEAN)	ADHESIVES, NOT REGULATED			

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.
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.
All ingredients in this product are listed on the Canadian Domestic Substance List.

WARNING: This product contains
TOLUENE; METHYLENE CHLORIDE;
chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

INGREDIENT	CAS NO.	DETAIL INVENTORY LIST INFORMATION
TOLUENE	108-88-3	TSCA(8a CAIR) TSCA(8a PAIR) TSCA(8d) DSL
METHYLENE CHLORIDE	75-09-2	TSCA(8a CAIR) TSCA(8a PAIR) TSCA(8d) DSL
NAPTHA (PETROLEUM) HEAVY ALKYLATE	64741-65-7	DSL

DETAIL INVENTORY LIST DESCRIPTION

TSCA/Toxic Substances Control Act

SECTION 15 - REGULATORY INFORMATION (Continued)

DETAIL INVENTORY LIST DESCRIPTION
(8a CAIR)Comprehensive Assessment Information Rules
(8a PAIR)Preliminary Assesment 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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