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MATERIAL SAFETY DATA SHEET

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Supersedes All Previous Publications

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=====SECTION I CHEMICAL PRODUCT IDENTIFICATION=====

PRODUCT NAME AND SYNONYMS: **TALC EATER II** PRODUCT USE: **ADHESIVE**

=====SECTION II COMPOSITION/INFORMATION ON INGREDIENTS=====

Chemical Name	CAS Number	Weight % Less Than	ACGIH TLV- TWO	ACGIH TLV- STEL	OSHA PEL- TWA	OSHA PEL- CEILING	Skin
Benzene, 1-chloro-4-(trifluoromethyl)	98-56-6	85-0%	N.E.	N.E.	N.E.	N.E.	N.A.
Carbon Black	1333-86-4	5.0%	3.5 mg/m ³	N.E.	3.5 mg/m ³	N.E.	N.A.
Methylene bis (4-Cyclohexylisocyanate)	5124-30-1	5.0%	0.005 ppm	N.E.	N.E.	N.E.	N.A.
1-Methyl-2-Chlorobenzene	95-49-8	5.0%	50ppm	N.E.	N.E.	N.E.	N.A.
Benzene, 1-chloro-2-(trifluoromethyl)	88-16-4	5.0%	N.E.	N.E.	N.E.	N.E.	N.A.
Nitrogen substituted Aromatic	PROPRIETARY	5.0%	N.E.	N.E.	N.E.	N.E.	N.A.
P-Toluene sulfonyl isocyanate	4083-64-1	1.0%	N.E.	N.E.	N.E.	N.E.	N.A.
Inorganic lead salt	PROPIETARY	1.0%	0.05 mg/m ³	N.E.	0.05 MG/M ³	N.E.	N.A.

N.A.- Not Applicable, N.E.- Not Established, S- Skin Designation

=====SECTION III HAZARDOUS IDENTIFICATION=====

*****EMERGENCY OVERVIEW***:** Black Liquid, with Solvent odor. Combustible liquid and vapor. Vapor harmful; may affect the brain or nervous system causing dizziness, headache or nausea. Causes skin and eye irritation. Causes respiratory tract irritation. May cause allergic skin reaction. May cause allergic respiration reaction.

EFFECTS OF OVEREXPOSURE-EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE-SKIN CONTACT: Causes skin irritation. May cause skin sensitization. May cause dermatitis.

EFFECTS OF OVEREXPOSURE-INHALATION: Possible irritation of the respiratory system can occur causing nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, isocyanates; this may result in asthma-like symptoms. In elevated-temperature applications, product may release vapors that may produce cyanosis in the absence of sufficient ventilation or adequate respiratory protection. May cause respiratory sensitization. May cause lung damage.

EFFECTS OF OVEREXPOSURE-INGESTION: Harmful if swallowed. Ingestion is not an expected route of entry in industrial or commercial uses.

EFFECTS OF OVEREXPOSURE-CHRONIC HAZARDS: Repeated or prolonged solvent overexposure may result in permanent central nervous system damage. Prolonged inhalation or ingestion of large amounts may cause liver and kidney damage based on laboratory animal studies. May cause long-term lung damage. IARC has designated carbon black as Group 2B-inadequate evidence for carcinogenicity in humans, but sufficient evidence in experimental study while two other mutagenicity studies proved negative. Lead and lead compounds have been classified by IARC as probable human carcinogens (Group 2A), and by NTP as reasonably anticipated human carcinogens. Chronic skin contact may cause dermatitis.

PRIMARY ROUTE(S) OF ENTRY: Eye Contact, Skin Contact, Inhalation, Ingestion.

=====SECTION IV FIRST AID MEASURES=====

FIRST AID-EYE CONTACT: Flush eyes immediately with large amount of water for at least 15 minutes holding eyelids open while flushing. Get prompt medical attention.

FIRST AID-SKIN CONTACT: Flush contaminated skin with large amounts of water while removing contaminated clothing. Wash affected skin areas with soap and water. Get medical attention if symptoms occur.

FIRST AID-INHALATION: Move person to fresh air. Restore and support continued breathing. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID-INGESTION: If swallowed, do not induce vomiting. Give victim one or two glasses of water or milk. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious person.

=====SECTION V FIRE FIGHTING MEASURES=====

FLASH POINT: 105° F, 40° C LOWER EXPLOSIVE LIMIT (%): 0.9% (V)
 Setaflash Closed Cup UPPER EXPLOSIVE LIMIT (%): 10.5% (V)

AUTOIGNITION TEMPERATURE: N.D.

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

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible liquid and vapor. During a fire, irritating and/or toxic gases and particulate may be generated by thermal decomposition or combustion. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, open flame, and other sources of ignition. Closed containers may rupture when exposed to extreme heat. Use water spray to keep fire exposed containers cool.

=====SECTION VI ACCIDENTAL RELEASE MEASURES=====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Keep non-essential personnel a safe distance away from the spill area. Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Use self-contained breathing equipment. Notify appropriate authorities if necessary. Contain and remove with inert absorbent material and non-sparking tools. Avoid contact. Before attempting cleanup, refer to hazard caution information in other sections of the MSDS form.

=====SECTION VII HANDLING AND STORAGE=====

HANDLING: Keep closure tight and container upright to prevent leakage. Avoid skin and eye contact. Wash thoroughly after handling. Avoid breathing of vapor or spray mists. Do not handle until all safety precautions have been read and understood. Empty containers should not be re-used. Use with adequate ventilation. Because empty containers may retain product residue and flammable vapors, keep away from heat, sparks and flame; do not cut, puncture or weld on or near the empty container. Do not smoke where this product is used or stored. Avoid breathing sanding dust from this product. This product contains inorganic lead; potential lead exposure exists when applying or sanding this product. Use of this product should comply with the OSHA Lead Standard (29 CFR 1910.106 "Flammable and Combustible Liquids" for specific storage requirements. Store only in well-ventilated areas. Do not puncture, drag, or slide container. Keep container closed when not in use.

=====SECTION VIII EXPOSURE CONTROLS/PERSONAL PROTECTION=====

ENGINEERING CONTROLS: Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits. Caution: Solvent vapors are heavier than air and collect in lower levels of the work area.

RESPIRATORY PROTECTION: Use a NIOSH approved chemical/mechanical filter respirator designed to remove a combination of particulates and organic vapor if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air-supplied respirator. Observe OSHA regulations (29CFR 910.134) for respirator use. This product contains isocyanates which have poor odor warning properties. If occupational exposure limits are exceeded, a NIOSH approved supplies-air respirator is required.

SKIN PROTECTION: Use neoprene, nitrile, or rubber gloves to prevent skin contact.

EYE PROTECTION: Use safety eyewear including safety glasses with side shields and chemical goggles where splashing may occur.

OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Remove and wash contaminated clothing before reuse. When spray-applying this material and exposure to overspray may occur, impervious protective clothing, including head covering and face shield, gloves, and overshoes are recommended.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using toilet facility. Do not smoke in any chemical handling or storage area. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

=====SECTION IX PHYSICAL AND CHEMICAL PROPERTIES=====

ODOR:	Solvent	BOILING RANGE:	210°F-324°F
APPEARANCE:	Black	VAPOR PRESSURE:	N.D.
PHYSICAL STATE:	Liquid	VAPOR DENSITY:	Heavier than Air
ODOR THRESHOLD:	N.D.	EVAPORATION RATE:	Slower than n-butylacetate
SOLUBILITY IN H2O:	Insoluble	DENSITY, LB/GL:	10.1b/gal
pH:	N.A.	VOLATILE BY WEIGHT:	85.36%
FREEZE POINT:	N.D.	VOLATILE BY VOLUME:	83.21%
COEFFICIENT OF WATER/OIL	N.D.	Health: 3*	FLAMMABILITY: 2 PHYSICAL HAZARD: 1
*Indicates a chronic hazard; see Section 3		VOLATILE ORGANIC COMPOUNDS (Calculated): 1.3 lg/gal. 156 g/l	

LEGEND: N.A.- Not Applicable, N.E.-Not Established, N.D.-Not Determined

=====SECTION X STABILITY AND REACTIVITY=====

CONDITIONS TO AVOID: High temperatures. Sources of ignition.
 INCOMPATIBILITY: Strong acids, bases, and strong oxidizers. Amines, acids, water, hydroxyl, or active hydrogen compounds.
 HAZARDOUS DECOMPOSITION PRODUCTS: Monomeric isocyanate, traces of hydrogen cyanide, nitrogen dioxide. Fluoride compounds. Hydrogen fluoride. Organic halides. Lead fume. Phosgene. Carbon dioxide, carbon monoxide, chlorine, hydrogen chloride.
 HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.
 STABILITY: Product is stable under normal storage conditions.

=====SECTION XI REGULATORY INFORMATION=====

ULSL FEDERAL REGULATIONS: AS FOLLOWS- This product is considered hazardous as defined by 29 CFR 1910.1200 (OSHA HazCom Standard.) SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name:</u> Methylene bis (4-cyclohexylisocanate)	<u>CAS Number:</u> 5124-30-1	<u>Weight % Less Than:</u> 5.0%
Inorganic lead salt	PROPRIETARY	1.0%

=====SECTION XII PREPARATION INFORMATION=====

DISCLAIMER: The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations. Prepared By: 2001 Inc.