

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT NAME AND MANUFACTURER

PRODUCT NAME: D-56 READY TO BRUSH CEMENT

MSDS NO. 200002

MATTHEWS INTERNATIONAL CORPORATION  
PACKAGING GRAPHICS & DESIGN  
252 Park West Drive  
Pittsburgh, PA 15275  
(412) 788-2111

## II. PRODUCT INGREDIENTS

	%	CAS NO.	PEL	STEL	CEIL	TLV	TLV-STEL
Toluene	25.6	108-88-3	200ppm	500ppm	300ppm	50ppm	NE
Ethyl Acetate	10-20	141-78-6	400ppm	NE	NE	400ppm	NE
Aliphatic Hydrocarbon	25-36	64742-89-8	400ppm*	NE	NE	NE	NE
Normal Heptane	1-5	142-82-5	400ppm	500ppm	NE	400ppm	500ppm

\* - Exposure limit shown is manufacturer's recommendation for this product component  
NE - Not Established

## III. POTENTIAL HEALTH EFFECTS

EYES: May cause irritation.

SKIN: Primary skin irritant.

INHALATION: Central nervous system depression characterized by headaches, dizziness, nausea, and confusion.

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

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.

SIGNIFICANT LABORATORY DATA WITH POSSIBLE RELEVANCE TO HUMAN HEALTH:

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

## IV. FIRST AID

EYES: Immediately flush with large amounts of water, lifting upper and lower lids occasionally, for at least 15 minutes. Seek medical attention.

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

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

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

## V. FIREFIGHTING INSTRUCTIONS

NFPA FLAMMABILITY CLASSIFICATION: Flammable Liquid, Class IB

FLASH POINT (Method Use): 17° F (-8° C) SFCC

FLAMMABLE LIMITS: LEL - 1.0% UEL - 11.0%

AUTO-IGNITION TEMPERATURE: No Data

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

SPECIAL PROCEDURES: Fire fighters should wear SCBA. Water may be ineffective, but may be used to cool exposed containers to prevent pressure build up and possible auto ignition when exposed to extreme heat. If water is used, fog nozzles are preferable.

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.

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**VI. ACCIDENT RESPONSE MEASURES**

CHEMTREC TELEPHONE: 800-424-9300 NATIONAL SPILL RESPONSE CENTER: 800-424-8802

SPILL PROCEDURES: Wear respirators, eye, hand and body protection appropriate for the size of the spill and the exposure encountered. Keep unauthorized personnel away. Eliminate all ignition sources (flames, hot surfaces, and sources of electrical, static or frictional sparks). Dike and contain spill with inert material (sand, vermiculite, etc.). 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.

**VII. SAFE HANDLING AND STORAGE**

Do not store above 115° F (46° C). Store large quantities in compliance with applicable OSHA regulations (29 CFR 1910.106). Prohibit smoking in these areas. Do not store or use near sources of ignition (open flame, sparks, heat, etc.) or combustible materials. Containers should be grounded and bonded to the receiving container when dispensing this liquid product. Do not take internally. Close container after each use. Empty containers must not be washed and reused for any purpose. Never use pressure to empty. Drum is not a pressure vessel. Do not weld, braze or cut on empty container.

**VIII. ENGINEERING CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS: Control airborne concentrations below the exposure limits. Use only with adequate ventilation.  
RESPIRATORY: Proper selection of respiratory protection depends on 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 pre-filter may be required. In confined areas use a NIOSH MSHA approved air supply 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 – ACGIH."  
VENTILATION: Provide local exhaust ventilation in sufficient volume and pattern to maintain exposures below nuisance dust levels and permissible exposure limits shown in Section II. Refer to Industrial Ventilation – A Manual by ACGIH for additional information.  
HAND PROTECTION: Solvent impermeable gloves required for repeated and prolonged contact.  
EYE PROTECTION: Wear safety glasses for normal use. Wear safety goggles when the potential for splash hazards exist.  
OTHER PROTECTIVE EQUIPMENT: Eye wash facility or device, safety shower.

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

BOILING RANGE: 190°-240° F, 88°-116° C MELTING POINT: NA  
VAPOR PRESSURE: 42 mm Hg VAPOR DENSITY (Air =1): >1  
pH: NA SPECIFIC GRAVITY (H2O =1): 0.9, 7.9 lb/gal  
VOLATILE BY VOLUME: 86% VOCs: 5.74 lb/gal, 689 g/l (less water, calculated)  
EVAPORATION RATE: Slower than diethyl ether.  
ODOR AND APPEARANCE: Amber liquid, translucent with sweet, aromatic odor.

**X. STABILITY AND REACTIVITY**

STABILITY: Normally stable.  
CONDITIONS TO AVOID: Excessive heat (>115° F, (46° C), sources of ignition.  
INCOMPATIBILITY: Strong acids or alkaline materials, oxidizing materials.  
HAZARDOUS DECOMPOSITION PRODUCTS: Burning, welding or cutting may produce smoke, carbon monoxide, and carbon dioxide.  
HAZARDOUS POLYMERIZATION: Will not occur.

**XI. TOXICOLOGICAL INFORMATION**

No information available.

**XII. ECOLOGICAL INFORMATION**

No information available.

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**XIII. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with federal, state, provincial and local regulations. Observe precautions for disposal of flammable materials. Used portions of D-56 Ready to Brush Cement are considered hazardous waste under Federal Hazardous Waste Regulations (40 CFR 261). RCRA Waste Code Classification: D001, F005 NOTE: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

**XIV. TRANSPORTATION INFORMATION**

US DOT DESCRIPTION: Adhesives, 3, UN1133, PG II (Contains Toluene)  
NA ERG: No. 128  
The US Code of Federal Transportations, 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 any other product which contains this product.

**XV. REGULATORY INFORMATION**

OSHA HAZARD COMMUNICATION STANDARD: All components in this product are considered hazardous ingredients.  
HMIS RATINGS: Health: 2 Flammability: 3 Reactivity: 0  
CLEAN AIR ACT: This product contains the following hazardous air pollutants under section 112 of the 1990 Clean Air Act: Toluene  
CERCLA/SARA 40 CFR 117, 302: No extremely hazardous substances are contained in this product.  
REPORTABLE QUANTITIES: Toluene - 1000lb Ethyl Acetate - 5000lb  
SECTION 311/312 HAZARD CATEGORIES: Fire, Acute Health, Delayed Health  
SECTION 313 TOXIC CHEMICALS: Toluene  
STATE REGULATIONS: California: The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains Toluene, a chemical known to the State of California to cause birth defects or other reproductive harm.  
TSCA: All ingredients in this product are listed on the US TSCA inventory. For Ethyl Acetate (CAS 141-78-6) TSCA(12b),(4),(8a PAIR)(TSCA 8d)(DSL) // For Toluene (108-88-3) TSCA (8a), (CAIR),(PAIR), (8d) DSL  
For N-Heptane (142-82-5) TSCA (12b)(TSCA 4a)(TSCA 8a PAIR)(TSCA 8d) DSL  
All ingredients are listed on the US TSCA inventory.  
CANADA: All ingredients in this product are listed on the Canadian Domestic Substance List.

**XVI. OTHER INFORMATION**

MSDS #200002 Original issue date: 9/17/86 Revised: 8/12/05 Prepared by: M.A. Remlinger / C. Spataro  
Discontinued 5/21/10

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