

MATERIAL SAFETY DATA SHEET

MACCO ADHESIVES

925 EUCLID AVENUE
CLEVELAND, OHIO 44115
EMERGENCY TELEPHONE 1-800-634-0015
216-344-8049

The I.D.#: 229716
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1700713-

PAGE 1

SECTION I

CODE IDENTIFICATION 1700713- DATE PRINTED 07/23/96
PRODUCT IDENTIFICATION TC-10, LIQUID SEAL TUB & TILE

SECTION II-A - HAZARDOUS INGREDIENTS

CHEMICAL NAME: 1,2-BENZENEDICARBOXYLIC ACID, BUTYL PHENYLMETHYL ESTER WT. %: 1-5
COMMON NAME: BUTYL BENZYL PHTHALATE
CAS NUMBER: 85-68-7 LD50: 20.40 GM/KG DRL RAT SARA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? ***
ACGIH (TWA): 5 MG/M3 OSHA (TWA): 5 MG/M3 OSHA? NO
ACGIH (STEL): NOT EST. OSHA (STEL): NOT EST.
OSHA (SKIN): CEILING: SUPP REC STD.: 5 MG/M3

CHEMICAL NAME: WHITE MINERAL OIL (PETROLEUM) WT. %: 1-5
COMMON NAME: MINERAL OIL
CAS NUMBER: 8042-47-5 LD50: NOT EST. SARA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? NO
ACGIH (TWA): 5 MG/M3 OSHA (TWA): 5 MG/M3 OSHA? NO
ACGIH (STEL): 10 MG/M3 OSHA (STEL): NOT EST.
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

CHEMICAL NAME: LIMESTONE WT. %: 40-50
COMMON NAME: NATURAL CALCIUM CARBONATE
CAS NUMBER: 1317-65-3 LD50: NOT EST. SARA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? NO
ACGIH (TWA): 5 MG/M3 OSHA (TWA): 5 MG/M3 OSHA? NO
ACGIH (STEL): NOT EST. OSHA (STEL): NOT EST.
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

CHEMICAL NAME: QUARTZ WT. %: .1-1.0
COMMON NAME: QUARTZ
CAS NUMBER: 14808-60-7 LD50: NOT EST. SARA? NO
CARCINOGENICITY LISTED BY: NTP? YES IARC MONOGRAPH? YES 2A CERCLA? NO
ACGIH (TWA): 0.1 MG/M3 OSHA (TWA): 0.1 MG/M3 OSHA? NO
ACGIH (STEL): NOT EST. OSHA (STEL): NOT EST.
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

CHEMICAL NAME: TITANIUM OXIDE WT. %: 1-5
COMMON NAME: TITANIUM DIOXIDE
CAS NUMBER: 13463-67-7 LD50: NOT EST. SARA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? NO
ACGIH (TWA): 10 MG/M3 OSHA (TWA): 10 MG/M3 OSHA? NO
ACGIH (STEL): NOT EST. OSHA (STEL): NOT EST.
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

*** THIS CHEMICAL IS A HAZARDOUS SUBSTANCE AS DEFINED BY CERCLA (40 CFR PART 302.4).

SECTION II-B - OTHER INGREDIENTS

CHEMICAL NAME: ACRYLIC POLYMER WT. %: 1-5
COMMON NAME: SAME
CAS NUMBER: SUPPLIER CONF

CHEMICAL NAME: VINYL ACETATE/ACRYLIC COPOLYMER WT. %: 10-20
COMMON NAME: ACRYLIC EMULSION



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1700713-

PAGE 2

SECTION II-B - OTHER INGREDIENTS

CAS NUMBER : SUPPLIER CONF

CHEMICAL NAME: WATER
COMMON NAME: WATER
CAS NUMBER : 7732-18-5

WT. %: 20-30

SECTION III - PHYSICAL DATA

VAPOR PRESSURE	NOT DETERMINED	SPECIFIC GRAVITY	1.509
BOILING RANGE	212 - 740 F	WEIGHT PER GALLON	12.57
%VOLATILE BY VOLUME	37.44	COLOR	WHITE
PHYSICAL STATE	PASTE	PH	7.70
SOLUBILITY IN WATER	Y		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (SETA) ABOVE 200 F LOWER EXPLOSIVE LIMIT NOT DETERMINED
UPPER EXPLOSIVE LIMIT NOT DETERMINED

EXTINGUISHING MEDIA

DRY CHEMICAL OR FOAM
WATER FOG.
CARBON DIOXIDE.

UNUSUAL FIRE AND EXPLOSION HAZARDS

CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR FIRE.

SPECIAL FIRE FIGHTING PROCEDURES

WATER MAY BE USED TO COOL AND PROTECT EXPOSED CONTAINERS.
FIREFIGHTERS SHOULD USE FULL PROTECTIVE CLOTHING, EYE PROTECTION, AND SELF-CONTAINED BREATHING APPARATUS.
SELF-CONTAINED BREATHING APPARATUS RECOMMENDED.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF EXPOSURE

INHALATION, SKIN CONTACT, EYE CONTACT, INGESTION.

EFFECTS OF OVEREXPOSURE

INHALATION	IRRITATION OF RESPIRATORY TRACT. PROLONGED INHALATION MAY LEAD TO COUGHING, SNEEZING.
SKIN CONTACT	IRRITATION OF SKIN.



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1700713-

PAGE 3

SECTION V - HEALTH HAZARD DATA

EYE CONTACT IRRITATION OF EYES. PROLONGED OR REPEATED CONTACT CAN CAUSE TEARING OF EYES, REDNESS OF EYES.

INGESTION INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, SEVERE ABDOMINAL PAIN.

SUPPLEMENTAL HEALTH INFORMATION

CONTAINS CRYSTALLINE SILICA WHICH IS CONSIDERED A HAZARD BY INHALATION. IARC HAS CLASSIFIED CRYSTALLINE SILICA AS PROBABLY CARCINOGENIC FOR HUMANS (2A). THIS CLASSIFICATION IS BASED ON THE FINDINGS OF LABORATORY ANIMAL STUDIES THAT WERE CONSIDERED SUFFICIENT AND DATA FROM EPIDEMIOLOGICAL STUDIES THAT WERE CONSIDERED LIMITED FOR CARCINOGENICITY. CRYSTALLINE SILICA IS ALSO A KNOWN CAUSE OF SILICOSIS, A NONCANCEROUS LUNG DISEASE. NTP HAS CLASSIFIED CRYSTALLINE SILICA A REASONABLY ANTICIPATED HUMAN CARCINOGEN.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

EYE, SKIN, RESPIRATORY DISORDERS

SECTION VI - FIRST AID PROCEDURES

INHALATION REMOVE TO FRESH AIR. RESTORE AND SUPPORT CONTINUED BREATHING. GET EMERGENCY MEDICAL ATTENTION. HAVE TRAINED PERSON GIVE OXYGEN IF NECESSARY. GET MEDICAL HELP FOR ANY BREATHING DIFFICULTY. REMOVE TO FRESH AIR IF INHALATION CAUSES EYE WATERING, HEADACHES, DIZZINESS, OR OTHER DISCOMFORT.

SKIN CONTACT FLUSH FROM SKIN WITH WATER. THEN WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE RE-USE. IF IRRITATION OCCURS, CONSULT A PHYSICIAN.

EYE CONTACT FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER, ESPECIALLY UNDER LIDS FOR AT LEAST 15 MINUTES. IF IRRITATION OR OTHER EFFECTS PERSIST, OBTAIN MEDICAL TREATMENT.

INGESTION IF SWALLOWED, OBTAIN MEDICAL TREATMENT IMMEDIATELY.

SECTION VII - REACTIVITY DATA

STABILITY STABLE

INCOMPATIBILITY OXIDIZERS, ACIDS, ALUMINUM, ZINC, MAGNESIUM, SODIUM, POTASSIUM.

CONDITIONS TO AVOID

ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT, CONTACT WITH ALUMINUM OR ZINC, STORAGE NEAR ACIDS, FREEZING, SPARKS, OPEN FLAME.



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1700713-

PAGE 4

SECTION VII - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE, OXYGEN.

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

COMPLY WITH ALL APPLICABLE HEALTH AND ENVIRONMENTAL REGULATIONS.
ELIMINATE ALL SOURCES OF IGNITION.
VENTILATE AREA.
SPILLS MAY BE COLLECTED WITH ABSORBENT MATERIALS.
PLACE COLLECTED MATERIAL IN PROPER CONTAINER.
COMPLETE PERSONAL PROTECTIVE EQUIPMENT MUST BE USED DURING CLEANUP.

WASTE DISPOSAL

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.
AVOID DISCHARGE TO NATURAL WATERS.

SECTION IX - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION

WHERE RESPIRATORY PROTECTION IS REQUIRED, USE ONLY NIOSH/MSHA APPROVED RESPIRATORS IN ACCORDANCE WITH OSHA STANDARD 29 CFR 1910.134.

VENTILATION

PROVIDE DILUTION VENTILATION OR LOCAL EXHAUST TO PREVENT BUILD-UP OF VAPORS.
USE EXPLOSION-PROOF EQUIPMENT.

PERSONAL PROTECTIVE EQUIPMENT

EYE WASH, SAFETY SHOWER, SAFETY GLASSES OR GOGGLES.
IMPERVIOUS GLOVES, IMPERVIOUS CLOTHING, BOOTS.

SECTION X - SPECIAL PRECAUTIONS

HANDLING AND STORAGE

STORE BELOW 100F.
KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME.
KEEP FROM FREEZING.

OTHER PRECAUTIONS

USE ONLY WITH ADEQUATE VENTILATION. DO NOT TAKE INTERNALLY.
KEEP OUT OF REACH OF CHILDREN. AVOID CONTACT WITH SKIN AND EYES, AND BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER HANDLING, ESPECIALLY BEFORE EATING OR SMOKING.
KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE.
AVOID CONDITIONS WHICH RESULT IN FORMATION OF INHALABLE



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1700713-

PAGE 5

SECTION X - SPECIAL PRECAUTIONS

OTHER PRECAUTIONS

PARTICLES SUCH AS SPRAYING OR ABRADING (SANDING) PAINTED SURFACES. IF SUCH CONDITIONS CANNOT BE AVOIDED, USE APPROPRIATE RESPIRATORY PROTECTION AS DIRECTED UNDER SPECIAL PROTECTION INFORMATION.
EMPTY CONTAINERS MAY CONTAIN HAZARDOUS RESIDUES.

DOT	CAULKING COMPOUND
IMDG	NOT DETERMINED
IATA	NOT DETERMINED



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