

MATERIAL SAFETY DATA SHEET

MACCO ADHESIVES

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

The info I.D.#: 160895
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SECTION I

CODE IDENTIFICATION 1330014- DATE PRINTED 07/23/96
PRODUCT IDENTIFICATION BC-100

SECTION II-A - HAZARDOUS INGREDIENTS

CHEMICAL NAME: 1,2-BENZENEDICARBOXYLIC ACID, BUTYL PHENYLMETHYL ESTER WT. %: 5-10
COMMON NAME: BUTYL BENZYL PHTHALATE
CAS NUMBER: 85-68-7 LD50: 20.40 GM/KG ORL 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: LIMESTONE WT. %: 20-30
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: CARBONIC ACID CALCIUM SALT (1:1) WT. %: 20-30
COMMON NAME: CALCIUM CARBONATE
CAS NUMBER: 471-34-1 LD50: NOT EST. SARA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? NO
ACGIH (TWA): 10 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: DISTILLATES (PETROLEUM), HYDROTREATED LIGHT WT. %: 1-5
COMMON NAME: HYDROTREATED LIGHT DISTILLATE (PETROLEUM)
CAS NUMBER: 8052-41-3 LD50: 4.70 GM/KG ORL RAT SARA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? NO
ACGIH (TWA): 100 PPM OSHA (TWA): 100 PPM OSHA? NO
ACGIH (STEL): NOT EST. OSHA (STEL): NOT EST.
OSHA (SKIN): CEILING: SUPP REC STD.: NOT EST.

CHEMICAL NAME: QUARTZ WT. %: 1-5
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: MAGNESIUM CARBONATE WT. %: 1-5
COMMON NAME: MAGNESIUM CARBONATE
CAS NUMBER: 546-93-0 LD50: NOT EST. SARA? NO
CARCINOGENICITY LISTED BY: NTP? NO IARC MONOGRAPH? NO CERCLA? NO
ACGIH (TWA): 10 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.

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



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SECTION II-B - OTHER INGREDIENTS

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

CHEMICAL NAME: WATER WT. %: 10-20
COMMON NAME: WATER
CAS NUMBER: 7732-18-5

SECTION III - PHYSICAL DATA

VAPOR PRESSURE	NOT DETERMINED	SPECIFIC GRAVITY	1.665
BOILING RANGE	212 - 400 F	WEIGHT PER GALLON	13.87
%VOLATILE BY VOLUME	28.83	COLOR	WHITE
PHYSICAL STATE	PASTE	PH	NOT DETERMINED
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	13.3

EXTINGUISHING MEDIA

DRY CHEMICAL OR FOAM
WATER FOG.
CARBON DIOXIDE.

UNUSUAL FIRE AND EXPLOSION HAZARDS

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL LONG DISTANCES TO A SOURCE OF IGNITION AND FLASH BACK.
CLOSED CONTAINERS MAY BURST IF EXPOSED TO EXTREME HEAT OR FIRE.
MAY DECOMPOSE UNDER FIRE CONDITIONS EMITTING IRRITANT AND/OR TOXIC GASES.

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



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SECTION V - HEALTH HAZARD DATA

INHALATION IRRITATION OF RESPIRATORY TRACT. PROLONGED INHALATION MAY LEAD TO FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, SNEEZING, CENTRAL NERVOUS SYSTEM DEPRESSION, LOSS OF CONSCIOUSNESS, ASPHYXIATION, DEATH.

SKIN CONTACT IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT CAN CAUSE DERMATITIS, DEFATTING.

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

INGESTION INGESTION MAY CAUSE LUNG INFLAMMATION AND DAMAGE DUE TO ASPIRATION OF MATERIAL INTO LUNGS, FATIGUE, DROWSINESS, DIZZINESS AND/OR LIGHTEADEDNESS, HEADACHE, UNCOORDINATION, NAUSEA, VOMITING, DIARRHEA, GASTRO-INTESTINAL DISTURBANCES, ABDOMINAL PAIN, CENTRAL NERVOUS SYSTEM DEPRESSION.

SUPPLEMENTAL HEALTH INFORMATION

OTHER EFFECTS OF OVEREXPOSURE MAY INCLUDE TOXICITY TO LIVER, KIDNEY.
MAY BE ABSORBED THROUGH SKIN.
NOTICE - REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED 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.
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
LUNG DISORDERS
ASTHMA-LIKE CONDITIONS

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.



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SECTION VI - FIRST AID PROCEDURES

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, BASES, AMINES.

CONDITIONS TO AVOID
ELEVATED TEMPERATURES, CONTACT WITH OXIDIZING AGENT,
STORAGE NEAR ACIDS, FREEZING, SPARKS, OPEN FLAME.

HAZARDOUS DECOMPOSITION PRODUCTS
CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES, TOXIC GASES.

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.
EVACUATE ALL UNNECESSARY PERSONNEL.
PLACE COLLECTED MATERIAL IN PROPER CONTAINER.
COMPLETE PERSONAL PROTECTIVE EQUIPMENT MUST BE USED DURING CLEANUP.
LARGE SPILLS - SHUT OFF LEAK IF SAFE TO DO SO. DIKE AND CONTAIN SPILL. PUMP TO STORAGE OR SALVAGE VESSELS. USE ABSORBENT TO PICK UP EXCESS RESIDUE. KEEP SALVAGEABLE MATERIAL AND RINSE WATER OUT OF SEWERS AND WATER COURSES.
SMALL SPILLS - USE ABSORBENT TO PICK UP RESIDUE AND DISPOSE OF PROPERLY.

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



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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, APRON, 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 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. GROUND EQUIPMENT WHEN TRANSFERRING TO PREVENT ACCUMULATION OF STATIC CHARGE.

DOT

CAULKING COMPOUND

IMDG

NOT DETERMINED

IATA

NOT DETERMINED



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