

MATERIAL SAFETY DATA SHEET

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Vendor Update: 5/30/2001
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MSDS Number: N415 ; N415TU ; N420LB ; N4305GL ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: HOT MELT BUTYL
HMIS Ratings:
 Health: Minimal(0)
 Flammability: Slight(1)
 Instability/Reactivity: Minimal(0)
NFPA Ratings:

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
CALCIUM CARBONATE	471-34-1	10-30	10 MG/M ³	15 MG/M ³ TOTAL DUST; 5 MG/M ³ RESPIRABLE DUST		6,450 MG/KG (ORAL,RAT)	
Notes							
ZINC OXIDE	1314-13-2	1-5	5 MG/M ³ FUME; 10 MG/M ³ (TOTAL DUST)	5 MG/M ³ FUME; 10 MG/M ³ TD; 5 MG/M ³ RD 10 MG/M ³ FUME		950 MG/KG (ORAL,MOUSE)	2,500 MG/CU M (INHAL. MOUSE) NO DURATION SPEC.)
Notes							
CARBON BLACK	1333-86-4	0.1 - 1	3.5 MG/M ³	3.5 MG/M ³		15,400 MG/KG (ORAL,RAT) 3 G/KG (DERMAL, RABBIT)	
Notes							
CRYSTALLINE SILICA	14808-60-7	0.1 - 1	0.05 MG/M ³ RESPIRABLE DUST	0.1 MG/M ³ RESPIRABLE DUST		N/E	
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: CAN CAUSE MINOR IRRITATION, TEARING AND REDDENING. EXPOSURE TO HOT MATERIAL MAY CAUSE THERMAL BURNS.
Skin: SKIN CONTACT AT ROOM TEMPERATURE IS NOT IRRITATING. CONTACT WITH PRODUCT AT ELEVATED TEMPERATURES CAN RESULT IN THERMAL BURNS.
Ingestion: INGESTION IS NOT AN ANTICIPATED ROUTE OF EXPOSURE.
Inhalation: CAN CAUSE MINOR RESPIRATORY IRRITATION. VAPORS MAY HAVE AN OFFENSIVE ODOR THAT MAY CAUSE HEADACHES, NAUSEA, AND VOMITING. INHALATION OF DUSTS PRODUCED DURING CUTTING, GRINDING, OR SANDING OF THIS PRODUCT MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT. OVEREXPOSURE TO CRYSTALLINE SILICA MAY CAUSE SILICOSIS.
Signs and Symptoms of Exposure:
Other: LARGE TERM CHRONIC HEALTH EFFECTS: TARGET ORGAN: LUNGS

CARCINOGENICITY: UNLESS NOTED BELOW, THIS PRODUCT DOES NOT CONTAIN REGULATED LEVELS OF NTP, IARC, ACGIH, OR OSHA LISTED CARCINOGENS.

CARBON BLACK; CRYSTALLINE SILICA

EMERGENCY OVERVIEW: CONTACT WITH MOLTEN PRODUCT WILL CAUSE THERMAL BURNS. VAPORS/FUMES MAY BE IRRITATING AT APPLICATION TEMPERATURES. CANCER HAZARD.

IV. FIRST AID MEASURES

Eyes:	USE AN EYE WASH TO REMOVE A CHEMICAL FROM YOUR EYE REGARDLESS OF THE LEVEL OF HAZARD. FLUSH THE AFFECTED EYE FOR AT LEAST TWENTY MINUTES. TILT THE HEAD TO PREVENT CHEMICAL FROM TRANSFERRING TO THE UNCONTAMINATED EYE. SEEK MEDICAL ADVICE AFTER FLUSHING.
Skin:	WASH WITH SOAP AND WATER. FOR HOT MATERIAL, IMMEDIATELY IMMERSE IN OR FLUSH THE AFFECTED AREA WITH LARGE AMOUNTS OF COLD WATER TO DISSIPATE HEAT. COVER WITH CLEAN GAUZE AND DO NOT ATTEMPT TO REMOVE THE MATERIAL YOURSELF. GET PROMPT MEDICAL ATTENTION. MEDICAL PERSONNEL: COAT WITH MINERAL OIL TO SOFTEN MATERIAL FOR REMOVAL.
Ingestion:	NO HAZARD IN NORMAL INDUSTRIAL USE. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IF SYMPTOMS DEVELOP. PROVIDE MEDICAL CARE PROVIDER WITH THIS MSDS.
Inhalation:	IF VAPORS INHALED: REMOVE TO FRESH AIR. CALL A PHYSICIAN IF SYMPTOMS PERSIST. NO SPECIFIC TREATMENT IS NECESSARY SINCE THIS MATERIAL IS NOT LIKELY TO BE HAZARDOUS BY INHALATION. IF EXPOSED TO EXCESSIVE LEVELS OF DUSTS OR FUMES, REMOVE TO FRESH AIR AND GET MEDICAL ATTENTION IF COUGH OR OTHER SYMPTOMS DEVELOP.

V. FIRE FIGHTING MEASURES

Flash Point:	N/A
Lower Flammability Limit:	N/E
Upper Flammability Limit:	N/E
Extinguishing Agents:	A SOLID STREAM OF WATER MAY SCATTER MOLTEN PRODUCT.
Unusual Fire or Explosion Hazards:	MATERIAL WILL BURN IN A FIRE.
Fire Fighting Procedures:	PERSONS EXPOSED TO PRODUCTS OF COMBUSTION SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	ALLOW MOLTEN MATERIAL TO SOLIDIFY BEFORE DISPOSAL.
Other:	NO ADVERSE HEALTH EFFECTS EXPECTED FROM THE CLEAN-UP OF SPILLED MATERIAL. FOLLOW PERSONAL PROTECTIVE EQUIPMENT RECOMMENDATIONS FOUND IN THIS MSDS.

VII. HANDLING AND STORAGE

Other:	NO SPECIAL HANDLING INSTRUCTIONS DUE TO TOXICITY. AVOID BREATHING VAPORS/FUMES OF HEATED PRODUCT. PREVENT CONTACT WITH MOLTEN
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PRODUCT.
STORE IN A COOL, DRY PLACE.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:	WEAR SAFETY GLASSES WHEN HANDLING THIS PRODUCT.
Skin:	NOT NORMALLY REQUIRED. WEAR CHEMICALLY RESISTANT GLOVES TO PREVENT PROLONGED OR REPEATED CONTACT. WHEN MATERIAL IS HEATED, WEAR THERMALLY INSULATING GLOVES TO PROTECT AGAINST THERMAL BURNS. GLOVES ARE NOT NORMALLY REQUIRED. USE NITRILE GLOVES IF CONDITIONS WARRANT.
Respiratory:	RESPIRATORY PROTECTION MAY BE REQUIRED TO AVOID OVEREXPOSURE WHEN HANDLING THIS PRODUCT. USE A RESPIRATOR IF GENERAL ROOM VENTILATION IS NOT AVAILABLE OR SUFFICIENT TO ELIMINATE SYMPTOMS. RESPIRATORS SHOULD BE SELECTED BY AND USED FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134).
Engineering:	USE LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO MINIMIZE EXPOSURES. AT THE APPLICATION TEMPERATURE, USE OF LOCAL EXHAUST OVER THE PREMELTING RESERVOIR IS ENCOURAGED.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	BLACK PASTE
Boiling Point:	N/E
Freezing Point:	N/E
Specific Gravity:	1.17
Vapor Pressure:	N/E
Vapor Density:	N/E
Physical State:	SOLID
Other:	9.8 LBS (WT PER GL)

X. STABILITY AND REACTIVITY

Stability:	STABLE UNDER NORMAL CONDITIONS.
Hazardous Polymerization:	WILL NOT OCCUR.
Hazardous Decomposition Products:	CARBON DIOXIDE, CARBON MONOXIDE, METAL FUMES
Incompatible Products:	N/E

XI. TOXICOLOGICAL INFORMATION

Acute Toxicology Data:	NO ADDITIONAL HEALTH INFORMATION AVAILABLE.
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XII. ECOLOGICAL INFORMATION

Environmental Fate and Distribution:	NO ECOLOGICAL INFORMATION AVAILABLE.
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XIII. DISPOSAL CONSIDERATIONS

Disposal Method:	THIS PRODUCT DOES NOT MEET THE DEFINITION OF HAZARDOUS WASTE UNDER THE U.S. EPA HAZARDOUS WASTE REGULATIONS 40 CFR 261. DISPOSE
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OF IN AN APPROVED LANDFILL. CONSULT YOUR STATE AND LOCAL OR PROVINCIAL AUTHORITIES AND YOUR LOCAL WASTE VENDOR FOR MORE RESTRICTIVE REQUIREMENTS.

XIV. TRANSPORT INFORMATION

XV. REGULATORY INFORMATION

TSCA Status:	THIS PRODUCT IS IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACTS INVENTORY REQUIREMENTS. SECTION 12(B) – EXPORT NOTICE REQUIREMENTS: THIS PRODUCT CONTAINS A CHEMICAL SUBSTANCE THAT IS CURRENTLY ON THE EPA'S SECTION 12(B) EXPORT LIST. CONTACT THE COMPANY GLOBAL REGULATORY GROUP AT 651-236-5858 FOR THE IDENTITY OF THE SECTION 12(B) CHEMICAL(S).
EPA Sara Title III Chemical Listings:	THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SARA ACT OF 1986 AND 40 CFR PART 372: SECTION 313: Chemical: ZINC COMPOUNDS CAS # 1314-13-2 %: 1-5
California:	PROP 65 WARNING: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) THAT ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR REPRODUCTIVE HARM. Chemical: QUARTZ CAS # 14808-60-7 WT BY %: 0.1 –1 Chemical: LEAD CAS # 7439-92-1 WT BY %: 0.001-0.01 (CARCINOGEN/DEVELOPMENTAL TOXIN/FEMALE AND MALE REPRODUCTIVE TOXIN) Chemical: CADMIUM CAS # 7440-43-9 WT BY %: <10 PPM (CARCINOGEN/DEVELOPMENTAL TOXIN/MALE REPRODUCTIVE TOXIN) Chemical: ARSENIC COMPOUNDS (INORGANIC) CAS # 7440-38-2 WT BY %: <10 PPM (CARCINOGEN)
Other:	THIS PRODUCT IS IN COMPLIANCE WITH THE CANADIAN DOMESTIC SUBSTANCE LIST REQUIREMENTS. WHMIS STATUS: UNLESS LISTED BELOW, THIS PRODUCT IS NOT UNDER THE CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM.

XVI. OTHER INFORMATION

WARRANTY INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.