

MATERIAL SAFETY DATA SHEET

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Vendor Update: 6/26/2007
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MSDS Number: GN200A ; GN201B ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: GUNTHER EXTRA/BUILD MASTIC
HMIS Ratings:

Health: Moderate(2)
 Flammability: Serious(3)
 Instability/Reactivity: Minimal(0)

NFPA Ratings:

Health: Moderate(2)
 Flammability: Serious(3)
 Instability/Reactivity: Minimal(0)

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
HEPTANE	142-82-5	16.4	SHORT:2050 MG/M3, 500PPM, LONG:1640 MG/M3, 400PPM	2000 MG/M3, 500 PPM			
Notes	REL: SHORT-TERM VALUE: C1800* MG/M3, C400* PPM. LONG-TERM VALUE: 350 MG/M3, 85 PPM *15-MIN.						
MINERAL SPIRITS	8052-41-3	7.0	525 MG/M3, 100 PPM	2900 MG/M3, 500 PPM			
Notes	REL: SHORT-TERM VALUE: C1800* MG/M3. LONG-TERM VALUE: 350 MG/M3 *15-MIN.						
TOLUENE	108-88-3	9.5	188 MG/M3, 50 PPM SKIN; BEI	SHORT:C300; 500*PPM, LONG:200PPM *10-MIN PEAK 8HR			
Notes	REL: SHORT-TERM VALUE: C1800* MG/M3. LONG-TERM VALUE: 350 MG/M3 *15-MIN.						
Other:	HAZARD DESCRIPTION: TOXIC FLAMMABLE DANGEROUS FOR THE ENVIRONMENT						

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: IRRITANT TO EYES.

Skin: IRRITANT TO SKIN.

Ingestion: IRRITANT TO LUNGS AND MUCOUS MEMBRANES. HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

Inhalation: SENSITIZING EFFECT THROUGH INHALATION IS POSSIBLE WITH PROLONGED EXPOSURE.

Signs and Symptoms of Exposure: EXPOSURE TO VAPOR CAN CAUSE IRRITATION TO EYES, LUNGS, AND MUCOUS MEMBRANES. EXCESSIVE EXPOSURE CAN CAUSE DIZZINESS, HEADACHE, NAUSEA, NARCOSIS OF LIVER AND KIDNEY, AND NERVE DAMAGE. CONTACT WITH LIQUID CAN CAUSE IRRITATION.

VAPORS MAY CAUSE DROWSINESS AND DIZZINESS.

Medical Conditions**Aggravated by Exposure:****Other:** HAS A NARCOTIZING EFFECT.**IV. FIRST AID MEASURES**

Eyes:	RINSE OPENED EYE FOR SEVERAL MINUTES UNDER RUNNING WATER. THEN CONSULT A DOCTOR.
Skin:	IMMEDIATELY WASH WITH WATER AND SOAP AND RINSE THOROUGHLY. IMMEDIATELY REMOVE ALL SOILED AND CONTAMINATED CLOTHING. WASH HANDS BEFORE BREAKS AND AT THE END OF WORK. STORE PROTECTIVE CLOTHING SEPARATELY.
Ingestion:	SEEK MEDICAL TREATMENT. KEEP AWAY FROM FOODSTUFFS, BEVERAGES AND FEED.
Inhalation:	OVEREXPOSURE, REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION.

V. FIRE FIGHTING MEASURES

Flash Point:	-4°C (25°F)
Lower Flammability Limit:	1.1 VOL%
Upper Flammability Limit:	7.0 VOL%
Extinguishing Agents:	CO ₂ , SAND, EXTINGUISHING POWDER. DO NOT USE WATER.
Unusual Fire or Explosion Hazards:	FLAMMABLE MIXTURE. DANGE OF EXPLOSION: PRODUCT IS NOT EXPLOSIVE. HOWEVER, FORMATION OF EXPLOSIVE AIR/VAPOR MIXTURES ARE POSSIBLE.
Fire Fighting Procedures:	USE WATER SPRAY TO COOL ADJACENT SURFACES AND EXPOSED CONTAINERS ONLY. PROTECT AGAINST INHALATION OF COMBUSTION PRODUCTS.
Other:	AUTO IGNITING: PRODUCT IS NOT SELFIGNITING.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	WEAR PROTECTIVE EQUIPMENT. KEEP UNPROTECTED PERSONS AWAY. DO NOT ALLOW PRODUCT TO REACH SEWAGE SYSTEM OR ANY WATER COURSE. INFORM RESPECTIVE AUTHORITIES IN CASE OF SEEPAGE INTO WATER COURSE OR SEWAGE SYSTEM. ABSORB WITH LIQUID-BINDING MATERIAL (SAND, DIATOMITE, ACID BINDERS, UNIVERSAL BINDERS, SAWDUST). DISPOSE OF CONTAMINATED MATERIAL AS WASTE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. ENSURE ADEQUATE VENTILATION. DO NOT FLUSH WATER OR AQUEOUS CLEANSING AGENTS.
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VII. HANDLING AND STORAGE

Other:	HANDLING: OPEN AND HANDLE RECEPTACLE WITH CARE. KEEP IGNITION SOURCES AWAY – DO NOT SMOKE. PROTECT AGAINST ELECTROSTATIC CHARGES. KEEP RESPIRATORY PROTECTIVE DEVICE AVAILABLE. STORAGE: STORE IN COOL LOCATION AWAY FROM DIRECT HEAT. STORE AS FLAMMABLE LIQUID. KEEP RECEPTACLE TIGHTLY SEALED. STORE IN COOL, DRY CONDITIONS IN WELL SEALED RECEPTACLES.
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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:	SAFETY GLASSES WITH SIDE SHIELDS.
Skin:	PROTECTIVE WORKING CLOTHING. PROTECTIVE GLOVES. IMMEDIATELY REMOVE ALL SOILED AND CONTAMINATED CLOTHING. WASH HANDS BEFORE BREAKS AND AT THE END OF WORK. STORE PROTECTIVE CLOTHING SEPARATELY.
Respiratory:	RESPIRATORY PROTECTIVE DEVICE. IN THE ABSENCE OF ADEQUATE VENTILATION, NIOSH-CERTIFIED RESPIRATORY PROTECTION FOR ORGANIC VAPOR SHOULD BE USED AS NECESSARY. IN CASE OF INTENSIVE OR LONGER EXPOSURE USE RESPIRATORY PROTECTIVE DEVICE THAT IS INDEPENDENT OF CIRCULATING AIR.
Engineering:	LOCAL EXHAUST VENTILATION IS RECOMMENDED TO MINIMIZE ANY VAPOR EXPOSURE.
Other:	AVOID ALL PERSONAL CONTACT. OBSERVE GOOD PERSONAL HYGIENE. IMPERVIOUS GLOVES AND GOGGLES SHOULD BE WORN WHEN HANDLING. IN THE ABSENCE OF ADEQUATE VENTILATION, NIOSH CERTIFIED RESPIRATORY PROTECTION FOR ORGANIC VAPOR SHOULD BE USED AS NECESSARY.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	BLACK PASTE
Boiling Point:	98°C (208°F)
Solubility in Water:	NOT MISCIBLE OR DIFFICULT TO MIX.
Specific Gravity:	@ 20°C (68°F): 1.102 G/CM ³
Vapor Pressure:	@ 20°C (68°F): 48.0 hPa (36 MM HG)
Volatile Content:	ORGANIC SOLVENTS: 32.9%. VOC: = 3.01 LBS/GAL. WEIGHT PER GAL: = 9.172 LBS/GAL.
Other:	SOLIDS CONTENT: 67.1%. IGNITION TEMPERATURE: 215.0°C (419°F).

X. STABILITY AND REACTIVITY

Stability:	STABLE AT AMBIENT TEMPERATURES AND PRESSURES.
Hazardous Decomposition Products:	OXIDES OF CARBON AND NITROGEN.
Incompatible Products:	STRONG OXIDIZERS, ACIDS AND BASES.
Conditions To Avoid:	KEEP AWAY FROM EXTREME HEAT, SPARKS, OPEN FLAMES.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicology Data:	LD/LC ₅₀ VALUES THAT ARE RELEVANT FOR CLASSIFICATION: TOLUENE, CAS# 108-88-3. ORAL LD ₅₀ – 5000 MG/KG (RAT). DERMAL LD ₅₀ – 12124 MG/KG (RABBIT). INHALATIVE LC ₅₀ /4H – 5320 MG/L (MOUSE).
Other:	THE PRODUCT SHOWS THE FOLLOWING DANGERS ACCORDING TO INTERNALLY APPROVED CALCULATION METHODS FOR PREPARATIONS: CARCINOGENIC.

XII. ECOLOGICAL INFORMATION

Environmental Fate and Distribution:	TOXIC FOR FISH. ALSO POISONOUS FOR FISH AND PLANKTON IN WATER BODIES. TOXIC FOR AQUATIC ORGANISMS. DANGER TO DRINKING WATER IF EVEN EXTREMELY SMALL QUANTITIES LEAK INTO THE GROUND. DO NOT ALLOW PRODUCT TO REACH GROUND WATER, WATER COURSE OR SEWAGE
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SYSTEM, EVEN IN SMALL QUANTITIES.

Ecotoxicity: WATER HAZARD CLASS 3 (SELF-ASSESSMENT): EXTREMELY HAZARDOUS FOR WATER.

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: MUST NOT BE DISPOSED OF TOGETHER WITH HOUSEHOLD GARBAGE. DO NOT ALLOW PRODUCT TO REACH SEWAGE SYSTEM. DISPOSAL MUST BE MADE ACCORDING TO OFFICIAL REGULATIONS.

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: ADHESIVES, FLAMMABLE

D.O.T. Hazard Class: HAZARD CLASS 3, I.D. #UN1133, PACKING GROUP III

XV. REGULATORY INFORMATION

TSCA Status: ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY OR ARE EXEMPT FROM TSCA INVENTORY REQUIREMENTS.

EPA Sara Title III Chemical Listings: SECTION 355: NONE OF THE INGREDIENTS ARE LISTED. SECTION 313: TOLUENE, CAS# 108-88-3.

Supplemental State Compliance Information: CANADA DOMESTIC SUBSTANCE LIST (DSL): ALL COMPONENTS OF THIS PRODUCT ARE ON THE DSL OR ARE EXEMPT FROM DSL REQUIREMENTS.

California: PROP.65: CHEMICALS KNOWN TO CAUSE CANCER: NONE OF THE INGREDIENTS IS LISTED. CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY: WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: TOLUENE, CAS# 108-88-3.

Other: HIGHLY FLAMMABLE.
CANCEROGENITY CATEGORIES: EPA: TOLUENE, CAS# 108-88-3/3, D. IARC: TOLUENE, CAS# 108-88-3, 3. TLV: TOLUENE, CAS# 108-88-3, A4.

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.