

**MATERIAL SAFETY DATA SHEET**

**Company Name:** GUNTHER MIRROR MASTICS  
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**City / State / Zip:** SOUTH BEND / IN / 46628  
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**Vendor Update:** 9/11/2012  
**Date Prepared:** 2/22/2013  
**MSDS Number:** GN100A ; GN101B ;

**I. CHEMICAL PRODUCT IDENTIFICATION**

**Product Name:** GUNTHER ULTRA/BOND MASTIC  
**HMIS Ratings:**

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

**NFPA Ratings:**

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

**Other:**

HAZARD DESCRIPTION: TOXIC; FLAMMABLE  
 INFORMATION PERTAINING TO PARTICULAR DANGERS FOR MAN AND ENVIRONMENT: HIGHLY FLAMMABLE; HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.  
 GHS LABEL ELEMENTS  
 FLAME DANGER  
 2.6/2- HIGHLY FLAMMABLE LIQUID AND VAPOUR.  
 HEALTH HAZARD DANGER  
 3.6/1B- MAY CAUSE CANCER.  
 3.10/1- MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.  
 WARNING  
 3.1/5- MAY BE HARMUL IN CONTACT WITH SKIN.  
 PREVENTION:  
 OBTAIN SPECIAL INSTRUCTIONS BEFORE USE. DO NOT HANDLE UNTIL ALL SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD. KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES. -NO SMOKING. KEEP CONTAINER TIGHTLY CLOSED. GROUND/BOND CONTAINER AND RECEIVING EQUIPMENT. USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/EQUIPMENT. USE ONLY NON-SPARKING TOOLS. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED.  
 RESPONSE:  
 IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN. IF ON THE SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER. IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION. CALL A POISON CENTER OR DOCTOR/PHYSICIAN IF YOU FEEL UNWELL. DO NOT INDUCE VOMITING. IN CASE OF FIRE: USE FOR EXTINCTION: CO2, POWDER OR WATER SPRAY.  
 STORAGE:  
 STORE IN A WELL-VENTILATED PLACE. KEEP COOL. STORE LOCKED UP.  
 DISPOSAL:  
 DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL/INTERNATIONAL REGULATIONS.

**II. COMPOSITION, INFORMATION ON INGREDIENTS**

<b>Chemical Ingredients</b>	<b>C.A.S. Number</b>	<b>% By Weight</b>	<b>ACGIH TLV TWA/STEL</b>	<b>OSHA PEL TWA/STEL</b>	<b>Other TWA/STEL</b>	<b>LD50</b>	<b>LC50</b>
NAPHTHA (PETROLEUM), SOLVENT-REFINED LIGHT (TEXTILE SPIRITS)	64741-84-0	20 - 40					
<b>Notes</b>							
XYLENE	1330-20-7	1 - 10	SHORT: 651MG/M3, 150 PPM; LONG: 434MG/M3, 100 PPM	435 MG/M3, 100 PPM			
<b>Notes</b>	REL: SHORT-TERM VALUE: 655 MG/M3, 150 PPM; LONG-TERM: 435 MG/M3, 100 PPM						
ACETONE	67-64-1	1 - 10	SHORT: 1782MG/M3, 750PPM;LONG: 1188MG/M3, 500PPM	2400 MG, 1000 PPM			
<b>Notes</b>	REL: 590 MG/M3, 250 PPM						
<b>Other:</b>	ADDITIONAL OCCUPATIONAL EXPOSURE LIMIT VALUES FOR POSSIBLE HAZARDS DURING PROCESSING: N-HEXANE, CAS# 110-54-3: PEL: 1800 MG/M3, 500 PPM REL: 180 MG/M3, 50 PPM TLV: 176 MG/M3, 50 PPM SKIN; BEI CYCLOHEXANE, CAS# 110-82-7: PEL: 1050 MG/M3, 300 PPM REL: 1050 MG/M3, 300 PPM TLV: 344 MG/M3, 100 PPM HEPTANE, CAS# 142-82-5: PEL: 2000 MG/M3, 500 PPM REL: SHORT-TERM VALUE: C 1800* MG/M3, C 440* PPM; LONG-TERM VALUE: 350 MG/M3, 85 PPM *15 TLV: SHORT-TERM VALUE: 2050 MG/M3, 500 PPM; LONG-TERM VALUE: 1640 MG/M3, 400 PPM						

### III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

<b>Eyes:</b>	IRRITATING EFFECT.
<b>Skin:</b>	IRRITANT TO SKIN AND MUCOUS MEMBRANES.
<b>Inhalation:</b>	SENSITIZING EFFECT THROUGH INHALATION IS POSSIBLE WITH PROLONGED EXPOSURE.
<b>Medical Conditions</b>	
<b>Aggravated by Exposure:</b>	

### IV. FIRST AID MEASURES

<b>Eyes:</b>	RINSE OPENED EYE FOR SEVERAL MINUTES UNDER RUNNING WATER. THEN CONSULT A DOCTOR.
<b>Skin:</b>	CLEAN WITH RUBBING ALCOHOL, FOLLOWED IMMEDIATELY BY WASHING AFFECTED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE.
<b>Ingestion:</b>	SEEK MEDICAL ATTENTION.
<b>Inhalation:</b>	OVEREXPOSURE, REMOVE TO FRESH AIR AND SEEK MEDICAL ATTENTION.

### V. FIRE FIGHTING MEASURES

**Flash Point:** -17°C (1°F)

**Extinguishing Agents:** CO<sub>2</sub>, SAND, EXTINGUISHING POWDER. DO NOT USE WATER. FOR SAFETY REASONS UNSUITABLE EXTINGUISHING AGENTS: WATER AND WATER WITH FULL JET.

**Unusual Fire or Explosion Hazards:** PRODUCT IS NOT EXPLOSIVE. HOWEVER, FORMATION OF EXPLOSIVE AIR/VAPOR MIXTURES ARE POSSIBLE.

**Fire Fighting Procedures:** PROTECTIVE EQUIPMENT: COVERALLS.

#### 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. PREVENT SEEPAGE INTO SEWAGE SYSTEM, WORKPITS AND CELLARS. INFORM RESPECTIVE AUTHORITIES IN CASE OF SEEPAGE INTO WATER COURSE OR SEWAGE SYSTEM. DO NOT ALLOW TO ENTER SEWERS/SURFACE OR GROUND WATER.

MEASURES FOR CLEANING/COLLECTING:  
 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 WITH WATER OR AQUEOUS CLEANING AGENTS.

**Other:** PERSON-RELATED SAFETY PRECAUTIONS: WEAR PROTECTIVE EQUIPMENT. KEEP UNPROTECTED PERSONS AWAY.

#### 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 A COOL LOCATION AWAY FROM DIRECT HEAT. INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY: NOT REQUIRED. KEEP RECEPTACLE TIGHTLY SEALED. STORE IN COOL, DRY CONDITIONS IN WELL SEALED RECEPTACLES.

#### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** SAFETY GLASSES WITH SIDE SHIELDS.

**Skin:** PROTECTIVE GLASSES. PROTECTIVE WORK CLOTHING.

**Engineering:** 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.

**Other:** GENERAL PROTECTIVE AND HYGIENIC MEASURES:  
 KEEP AWAY FROM FOODSTUFFS, BEVERAGES AND FEED. IMMEDIATELY REMOVE ALL SOILED AND CONTAMINATED CLOTHING. WASH HANDS BEFORE BREAKS AND AT THE END OF WORK. STORE PROTECTIVE CLOTHING SEPARATELY.

#### IX. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** TAN PASTE

**Boiling Point:** 60°C (140°F)

**Solubility in Water:** NOT MISCIBLE OR DIFFICULT TO MIX. NOT SOLUBLE.

<b>Physical State:</b>	FORM: PASTE
<b>Volatile Content:</b>	VOC = 3.1 LBS/GAL OR 367 G/L SCAQMD = 386 G/L WEIGHT PER GALLON = 8.49 LBS/GAL
<b>Other:</b>	MELTING POINT: UNDETERMINED IGNITION TEMPERATURE: 465.0°C (869°F) AUTO IGNITING: PRODUCT IS NOT SELFIGNITING. ORGANIC SOLVENTS: 30 – 50% SOLIDS CONTENT: 50 – 70%

#### X. STABILITY AND REACTIVITY

**Hazardous Decomposition** OXIDES OF CARBON AND NITROGEN UNDER BURNING CONDITIONS.

**Products:**

**Incompatible Products:** STRONG OXIDIZERS, ACIDS, AND BASES.

**Conditions To Avoid:** NO DECOMPOSITION IF USED ACCORDING TO SPECIFICATIONS.

**Other:** DANGEROUS REACTIONS: NO DANGEROUS REACTIONS KNOWN.

#### XI. TOXICOLOGICAL INFORMATION

**Special Hazard Information:** THE PRODUCT SHOWS THE FOLLOWING DANGERS ACCORDING TO INTERNALLY APPROVED CALCULATION METHODS FOR PREPARATIONS: CARCINOGENIC.

#### XII. ECOLOGICAL INFORMATION

**Environmental Fate and Distribution:** DO NOT ALLOW PRODUCT TO REACH GROUND WATER, WATER COURSE OR SEWAGE SYSTEM, EVEN IN SMALL QUANTITIES. DANGER TO DRINKING WATER IF EVEN EXTREMELY SMALL QUANTITIES LEAK INTO THE GROUND.

**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

**D.O.T. Hazard Class:** 3

**Other:** LAND TRANSPORT ADR/RID (CROSS-BORDER):  
ADR/RID CLASS: 3 FLAMMABLE LIQUIDS  
UN-NUMBER: 1133  
DESCRIPTION OF GOODS: ADHESIVES  
UN "MODEL REGULATION": UN1133, ADEHESIVES, 3, II

#### 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 (EXTREMELY HAZARDOUS SUBSTANCES): NONE OF THE INGREDIENTS IS LISTED.

SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS): XYLENE, CAS# 1330-20-7

**Supplemental State****Compliance Information:****California:**

PROPOSITION 65:

CHEMICALS KNOWN TO CAUSE CANCER:

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

NAPHTHA (PETROLEUM), SOLVENT-REFINED LIGHT (TEXTILE SPIRITS) CAS# 64741-84-0

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.

NAPHTHA (PETROLEUM), SOLVENT-REFINED LIGHT (TEXTILE SPIRITS) CAS# 64741-84-0

**Other:**

(DSL) CANADA DOMESTIC SUBSTANCE LIST

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

CANCEROGENICITY CATEGORIES

EPA(ENVIRONMENTAL PROTECTION AGENCY): ACETONE, CAS# 67-64-1

IARC(INTERNATIONAL AGENCY FOR RESEARCH ON CANCER): NONE OF THE INGREDIENTS IS LISTED.

NTP(NATIONAL TOXICOLOGY PROGRAM): NONE OF THE INGREDIENTS IS LISTED.

TLV(THRESHOLD LIMIT VALUE ESTABLISHED BY ACGIH): ACETONE, CAS# 67-64-1

MAK(GERMAN MAXIMUM WORKPLACE CONCENTRATION): NONE OF THE INGREDIENTS IS LISTED.

NIOSH-CA(NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH): NONE OF THE INGREDIENTS IS LISTED.

OSHA-CA(OCCUPATIONAL SAFETY &amp; HEALTH ADMINISTRATION): NONE OF THE INGREDIENTS IS LISTED.

PRODUCT RELATED HAZARD INFORMATION:

THE PRODUCT HAS BEEN CLASSIFIED AND MARKED IN ACCORDANCE WITH DIRECTIVES ON HAZARDOUS MATERIALS.

HAZARD-DETERMINING COMPONENTS OF LABELLING:

NAPHTHA (PETROLEUM), SOLVENT-REFINED LIGHT (TEXTILE SPIRITS); XYLENE; ACETONE

RISK PHRASES:

HIGHLY FLAMMABLE.

HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.

NATIONAL REGULATIONS:

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

**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.