

Product Code: 1700F077  
 Product Name: 1700F077 HIGH HEAT GRAY

A.P. NONWEILER COMPANY, 3321 COUNTY ROAD A, P.O. BOX 1007, OSHKOSH, WI 54903-1007

24-hour Emergency Phone: 1-800-535-5053

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**MANUFACTURER'S NAME:** A.P. NONWEILER COMPANY  
**ADDRESS :** 3321 COUNTY ROAD A  
 P.O. BOX 1007  
 OSHKOSH, WI 54903-1007

**EMERGENCY PHONE :** 1-800-535-5053      **DATE PRINTED:** 12/15/2010  
**INFORMATION PHONE:** (920) 231-0850

**H M I S   C O D E S :   H F R P**  
 2 3 0 H

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

Component/Exposure Limits	CAS#	% by Wt.
SILICONE MODIFIED LONG OIL ALKYD 100 PPM	MIXTURE	45.15
MINERAL SPIRITS 100 PPM ACGIH TLV 500 PPM OSHA PEL	64742-88-7	17.67
* MIXED XYLENES (LIMITED PARAXYLENE CONTENT), ETHYLBENZENE 100 PPM TWA OSHA	1330-20-7	12.66
HYDROUS MAGNESIUM SILCATE MINERAL 2 MG/M3 TWA RESPIRABLE DUST ACGIH 20 MPPFC PEL OSHA	14807-96-6	9.37
V.M.&P.NAPHTHA 300 PPM OSHA TWA 400 PPM OSHA STEL	64742-89-8	5.32
* SYNTHETIC AMPHOROUS SILICA 6 MG/M3 PEL OSHA	63231-67-4	.85
ZIRCONIUM 2-ETHYLHEXANOATE SOLUTION 5 MG/M3 AS Zr	MIXTURE	.79
* SOL.OF SALT OF UNSATURATED AMIDES AND HIGHER WEIGHT ACIDIC ESTERS	PROPRIETARY	.34
COBALT ALKANOATE SOLUTION 2 MG\M3	8020-83-5	.03
METHYL ETHYL KETOXIME	MIXTURE	.01

**3. HAZARDS IDENTIFICATION**

**Potential Health Effects**

**EYE:**  
 MAY CAUSE EYE IRRITATION. DIRECT CONTACT MAY CAUSE STINGING, TEARING AND REDNESS.

**SKIN:**  
 \*\*\*WARNING\*\*\* AVOID ALL CONTACT WITH SKIN. PENETRATES SKIN READILY. ANY CONTACT MAY RESULT IN THE ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS WHICH CAN CAUSE DAMAGE TO THE KIDNEYS, LIVER, BLOOD AND/OR BONE MARROW.

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**INGESTION:**

MODERATELY TOXIC. MAY CAUSE MOUTH, THROAT, ESOPHAGUS AND STOMACH IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION OF MATERIAL INTO LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.

**INHALATION:**

HIGH VAPOR/AEROSOL CONCENTRATIONS (GREATER THAN APPROXIMATELY 1000 PPM) ARE IRRITATING TO THE EYES AND THE RESPIRATORY TRACT, MAY CAUSE HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, AND OTHER CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

OVEREXPOSURE TO VAPOR, DUST OR MIST MAY AGGRAVATE EXISTING RESPIRATORY CONDITIONS, SUCH AS ASTHMA, BRONCHITIS, AND INFLAMMATORY OR FIBROTIC RESPIRATORY DISEASE.

**CHRONIC (CANCER) INFORMATION:**

INFORMATION NOT AVAILABLE

**TERATOLOGY (BIRTH DEFECT) INFORMATION:**

INFORMATION NOT AVAILABLE

**REPRODUCTION INFORMATION:**

INFORMATION NOT AVAILABLE

**CARCINOGENICITY: NTP CARCINOGEN: NO**

**IARC MONOGRAPHS: NO**

**OSHA REGULATED: NO**

**4. FIRST AID MEASURES**

**EYES:**

FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

**SKIN:**

WASH CONTAMINATED AREA WITH SOAP AND WATER. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

**INGESTION:**

IF SWALLOWED, GIVE 2 GLASSES OF WATER TO DRINK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEE A PHYSICIAN.

**INHALATION:**

RESCUERS SHOULD PUT ON APPROPRIATE PROTECTIVE GEAR. REMOVE FROM AREA OF EXPOSURE. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. KEEP VICTIM WARM. GET IMMEDIATE MEDICAL ATTENTION.

**NOTE TO PHYSICIANS:**

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ASPIRATION MAY CAUSE SEVERE LUNG DAMAGE. EVACUATE STOMACH IN A WAY WHICH AVOIDS ASPIRATION. CONTAINS TOLUENE. ALCOHOL MAY ENHANCE TOXIC EFFECTS. STIMULANTS SUCH AS EPINEPHRINE MAY INDUCE VENTRICULAR FIBRILLATION. THE METABOLISM OF OTHER SOLVENTS MAY BE INHIBITED RESULTING IN A POTENTIATION OF TOXIC EFFECTS OF THOSE CHEMICALS. UPTAKE IS DIRECTLY PROPORTIONAL TO THE AMOUNT OF BODY FAT. BLOOD LEVELS MAY BE CUMULATIVE WHEN EXPOSURE IS EXTENDED.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES:**

FLASH POINT: 54F Method: TCC  
INFORMATION NOT AVAILABLE

**FLAMMABLE LIMITS:**

Lower flammable limit: 0.5  
Upper flammable limit: 10.7

**AUTOIGNITION TEMPERATURE:**

INFORMATION NOT AVAILABLE

**HAZARDOUS COMBUSTION PRODUCTS:**

INFORMATION NOT AVAILABLE

**EXTINGUISHING MEDIA:**

FOAM, CARBON DIOXIDE, DRY CHEMICAL, WATER FOG

**FIREFIGHTING INSTRUCTIONS:**

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD-UP AND AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

VAPORS MAY CAUSE FLASH FIRE. KEEP CONTAINERS TIGHTLY CLOSED AND ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND FLAME. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:**

REMOVE ALL SOURCES OF IGNITION (FLAMES, HOT SURFACES, AND ELECTRICAL, STATIC, OR FRICTIONAL SPARKS). AVOID BREATHING VAPORS. VENTILATE AREA. CONTAIN AND REMOVE WITH VERMICULITE OR OTHER INERT MATERIAL. PLACE IN A CONTAINER FOR CHEMICAL WASTE. IF LARGE SPILL, FLUSH SPILL AREA WITH WATER SPRAY AND PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.

**LARGE SPILL:**

IF LARGE SPILL, FLUSH SPILL AREA WITH WATER SPRAY AND PREVENT RUNOFF FROM ENTERING DRAINS, SEWERS, OR STREAMS.

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## **7. HANDLING AND STORAGE**

### **HANDLING:**

STUDIES WITH RATS HAVE SHOWN A COMPONENT OF THIS MATERIAL TO HAVE MUTANOGENIC EFFECTS.

REPORTS HAVE ASSOCIATED REPEATED OR 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.

INHALATION OF VERY HIGH CONCENTRATIONS OF FINELY DIVIDED RESPIRABLE CRYSTALLINE SILICA DUST MAY CAUSE A RAPIDLY DEVELOPING SILICOSIS OR CANCER.

### **STORAGE:**

DO NOT STORE ABOVE 120 DEG.F. STORE LARGE QUANTITIES IN BUILDINGS DESIGNED TO COMPLY WITH OSHA 1910.106. KEEP AWAY FROM HEAT, SPARKS AND FLAME. KEEP CONTAINERS CLOSED WHEN NOT IN USE AND UPRIGHT TO PREVENT LEAKAGE.

### **OTHER PRECAUTIONS:**

AVOID CONTACT WITH SKIN OR EYES. WASH THOROUGHLY AFTER HANDLING.

HOT ORGANIC CHEMICAL VAPORS OR MISTS ARE SUSCEPTIBLE TO SUDDEN SPONTANEOUS COMBUSTION WHEN MIXED WITH AIR. IGNITION MAY OCCUR AT TEMPERATURES BELOW THOSE PUBLISHED IN THE LITERATURE AS "AUTOIGNITION" OR "IGNITION" TEMPERATURES. IGNITION TEMPERATURES DECREASE WITH INCREASING VAPOR VOLUME AND VAPOR/AIR CONTACT TIME, AND ARE INFLUENCED BY PRESSURE CHANGES.

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **ENGINEERING CONTROLS:**

USE LOCAL EXHAUST VENTILATION WITH A MINIMUM CAPTURE VELOCITY OF 100 FT/MIN. (0.5 M/SEC.) AT THE POINT OF VAPOR EVOLUTION. REFER TO THE CURRENT EDITION OF INDUSTRIAL VENTILATION: A MANUAL OF RECOMMENDED PRACTICE PUBLISHED BY THE AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS FOR INFORMATION ON THE DESIGN, INSTALLATION, USE, AND MAINTENANCE OF EXHAUST SYSTEMS.

### **RESPIRATORY PROTECTION:**

DO NOT BREATHE VAPORS. WHEN CONCENTRATIONS EXCEED THE ESTABLISHED EXPOSURE LIMITS, WEAR AN APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) UNTIL VAPORS ARE EXHAUSTED. FOLLOW RESPIRATOR MANUFACTURER'S DIRECTIONS FOR RESPIRATOR USE. OBSERVE OSHA STANDARD 29CFR 1910.134.

### **VENTILATION:**

PROVIDE GENERAL CLEAN AIR DILUTION OR LOCAL EXHAUST VENTILATION IN VOLUME AND PATTERN TO KEEP THE AIR CONTAMINANT CONCENTRATION BELOW THE LOWER EXPLOSION LIMIT AND BELOW CURRENT APPLICABLE EXPOSURE LIMITS. REFER TO OSHA STANDARD 1910.94.

### **SKIN PROTECTION:**

USE SOLVENT IMPERMEABLE GLOVES TO AVOID CONTACT WITH PRODUCT.

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**EYE PROTECTION:**

DO NOT GET IN EYES. USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS, CHEMICAL GOGGLES, FACE SHIELDS.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

AVOID CONTACT WITH SKIN. USE PROTECTIVE CLOTHING. PREVENT CONTACT WITH CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING, INCLUDING SHOES, BEFORE REUSE.

**WORK/HYGIENIC PRACTICES**

WASH AT THE END OF EACH WORKSHIFT AND BEFORE EATING, SMOKING, OR USING THE TOILET. USE APPROPRIATE HAND AND SKIN LOTIONS TO PROTECT THE SKIN.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

BOILING POINT: 210-290F  
MELTING POINT: INFORMATION NOT AVAILABLE  
VAPOR PRESSURE: INFORMATION NOT AVAILABLE  
VAPOR DENSITY: HEAVIER THAN AIR  
SOLUBILITY IN WATER: INSOLUBLE  
SPECIFIC GRAVITY: 1.21  
EVAPORATION RATE: SLOWER THAN BUTYL ACETATE  
pH: INFORMATION NOT AVAILABLE  
ODOR: INFORMATION NOT AVAILABLE  
APPEARANCE: INFORMATION NOT AVAILABLE

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY (CONDITIONS TO AVOID):**

STABLE

**INCOMPATIBILITY:**

STRONG ACIDS AND STRONG OXIDIZING AGENTS.

**CONDITIONS TO AVOID:**

ELEVATED TEMPERATURES

SOURCES OF IGNITION

**HAZARDOUS DECOMPOSITION PRODUCTS:**

INFORMATION NOT AVAILABLE

**HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.**

**11. TOXICOLOGICAL INFORMATION**

**EYE:**

INFORMATION NOT AVAILABLE

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**SKIN:**  
INFORMATION NOT AVAILABLE

**INGESTION:**  
INFORMATION NOT AVAILABLE

**INHALATION:**  
INFORMATION NOT AVAILABLE

**SUBCHRONIC:** INFORMATION NOT AVAILABLE

**CHRONIC/CARCINOGENICITY:** INFORMATION NOT AVAILABLE

**TERATOLOGY:** INFORMATION NOT AVAILABLE

**REPRODUCTION:** INFORMATION NOT AVAILABLE

**MUTAGENICITY:** INFORMATION NOT AVAILABLE

**12. ECOLOGICAL INFORMATION**

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**ECOTOXICOLOGICAL INFORMATION:** INFORMATION NOT AVAILABLE

**CHEMICAL FATE INFORMATION:**

**13. DISPOSAL CONSIDERATIONS**

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DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS. INCINERATE IN APPROVED FACILITY.

**14. TRANSPORT INFORMATION(Not meant to be all inclusive)**

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US DOT HAZARD CLASS: 3 UN1263 FLAMMABLE

**15. REGULATORY INFORMATION**

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(Not meant to be all inclusive - selected regulations represented)

**U.S. FEDERAL REGULATIONS:**  
INFORMATION NOT AVAILABLE

**OSHA:**  
INFORMATION NOT AVAILABLE

**CERCLA: SARA HAZARD CATEGORY:**  
INFORMATION NOT AVAILABLE

**SECTION 313:**  
INFORMATION NOT AVAILABLE

**M A T E R I A L   S A F E T Y   D A T A   S H E E T**

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MINERAL SPIRITS	64742-88-7	17.67
100 PPM ACGIH TLV		
500 PPM OSHA PEL		
MIXED XYLENES (LIMITED PARAXYLENE CONTENT), ETHYLBENZENE	1330-20-7	12.66
100 PPM TWA OSHA		
COBALT ALKANOATE SOLUTION	8020-83-5	.03
2 MG\M3		

**TOXIC SUBSTANCES CONTROL ACT: INFORMATION NOT AVAILABLE**

Component/Exposure Limits	CAS#	% by Wt.
*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***		

**INTERNATIONAL REGULATIONS:**

**CANADIAN WHMIS:**  
INFORMATION NOT AVAILABLE

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): INFORMATION NOT AVAILABLE**

**EINECS: ALL COMPONENTS OF THIS PRODUCT ARE INCLUDED IN THE EUROPEAN INVENTORY OF EXISTING (EINECS) OR ARE POLYMERS OF WHICH THE COMPONENTS ARE IN EINECS, IN COMPLIANCE WITH COUNCIL DIRECTIVE 67/548/EEC AND ITS AMENDMENTS.**

**STATE REGULATIONS:**

**NEW JERSEY**

THE FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP FIVE COMPONENTS IN THIS PRODUCT:

Component/Exposure Limits	CAS#	% by Wt.
MINERAL SPIRITS	64742-88-7	17.67
100 PPM ACGIH TLV		
500 PPM OSHA PEL		
MIXED XYLENES (LIMITED PARAXYLENE CONTENT), ETHYLBENZENE	1330-20-7	12.66
100 PPM TWA OSHA		

**PENNSYLVANIA**

THE FOLLOWING NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE PRODUCT AT GREATER THAN 3%:

Component/Exposure Limits	CAS#	% by Wt.
SILICONE MODIFIED LONG OIL ALKYL	MIXTURE	45.15
100 PPM		
MIXED XYLENES (LIMITED PARAXYLENE CONTENT), ETHYLBENZENE	1330-20-7	12.66
100 PPM TWA OSHA		

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CALIFORNIA

THE CHEMICAL(S) NOTED BELOW AND CONTAINED IN THIS PRODUCT, ARE KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER:

Component/Exposure Limits	CAS#	% by Wt.
MIXED XYLENES (LIMITED PARAXYLENE CONTENT), ETHYLBENZENE 100 PPM TWA OSHA	1330-20-7	12.66
COBALT ALKANOATE SOLUTION 2 MG\M3	8020-83-5	.03

VOLATILE ORGANIC COMPOUNDS: 3.61 lb/gal

16. OTHER INFORMATION

MSDS Status: INFORMATION NOT AVAILABLE

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The following boilerplate keys do not have matching boilerplate key prefixes in the MSDS Master Format file:

EF01

NP02

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