**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  
**INFORMATION PHONE:** (920) 231-0850  
**DATE PRINTED:** 12/15/2010  
**HMIS CODES:** HFRRP  
230H

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Component/Exposure Limits</th>
<th>CAS#</th>
<th>% by Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>* CRYSSTALINE SILICA</td>
<td>14808-60-7</td>
<td>15.56</td>
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<tr>
<td>10 MG/M3 TWA PEL OSHA</td>
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<tr>
<td>* TOLUENE</td>
<td>108-88-3</td>
<td>13.84</td>
</tr>
<tr>
<td>200 PPM TWA OSHA</td>
<td></td>
<td></td>
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<tr>
<td>300 PPM CEIL OSHA</td>
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<tr>
<td>500 PPM PEAK OSHA</td>
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<td>* MIXED XYLENES (LIMITED PARAXYLENE CONTENT), ETHYLBENZENE</td>
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<tr>
<td>100 PPM TWA OSHA</td>
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<tr>
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<td>MIXTURE</td>
<td>6.59</td>
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<tr>
<td>2-HEPTANONE</td>
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<td>50 PPM TWA ACGIH</td>
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<td>n-BUTYL ACETATE</td>
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<td>150 PPM TWA PEL OSHA</td>
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<td>* SYNTHETIC AMORPHOUS SILICA</td>
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<td>25 PPM-SKIN</td>
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<tr>
<td>* DIOCTYL PHTHALATE</td>
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<td>5 MG/M3</td>
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<td>POLYMERIC\FATTY ACID CONDENSATION POLYMER</td>
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<td>* SOL. OF SALTOF UNSATURATED AMIDES AND HIGHER WEIGHT ACIDIC ESTERS</td>
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<td>ACCELERATOR</td>
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<td>100 PPM ACGIH TLV</td>
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</tr>
</tbody>
</table>
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.

INGESTION:
MODERATELY TOXIC. MAY CAUSE MOUTH, THROAT, ESOPHAGUS AND STOMACH IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPARATION 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:
OVEREXPOSURE MAY CAUSE NERVOUS SYSTEM DAMAGE. IARC HAS CLASSIFIED ETHYLBENZENE AS A GROUP TO BE CANCER CAUSING AGENT, (POSSIBLY CARCINOGENIC TO HUMANS). THERE IS INADEQUATE EVIDENCE FOR CANCER IN EXPOSED HUMANS. ETHYLBENZENE IS NOT
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:
INFORMATION NOT AVAILABLE

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:
FLASH POINT: 4F
Method: CC
INFORMATION NOT AVAILABLE

FLAMMABLE LIMITS:
Lower flammable limit: 0.5
Upper flammable limit: 15.8

AUTOIGNITION TEMPERATURE:
INFORMATION NOT AVAILABLE

HAZARDOUS COMBUSTION PRODUCTS:
Material Safety Data Sheet

Date Printed: 12/15/2010

Product Code: 1700B240
Product Name: 1700B240 HS YELLOW AD

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

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

VAPORS CAN TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. COMBUSTIBLE LIQUID. CAN FORM EXPLOSIVE MIXTURES AT
TEMPERATURES AT OR ABOVE THE FLASHPOINT. "EMPTY" CONTAINERS RETAIN PRODUCT RESIDUE (LIQUID AND/OR VAPOR) AND CAN BE
DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS,
STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. EMPTY DRUMS SHOULD BE
COMPLETELY DRAINED, PROPERLY BUNGED AND PROMPTLY RETURNED TO A DRUM RECONDITIONER, OR PROPERLY DISPOSED OF. VAPORS ARE
HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND MAY BE IGNITED BY PILOT LIGHTS,
OTHER FLAMES, SPARKS HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT
FROM MATERIAL HANDLING POINT. ELIMINATE OR SHUT OFF ALLignITION SOURCES PRIOR TO USAGE.

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.

7. Handling and Storage

Handling:
Studies with rats have shown a component of this material to have mutagenic 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.

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 (NIOH/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.

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/HYGIEIC 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: 79.5°C/175.3°F
   MELTING POINT: INFORMATION NOT AVAILABLE
   VAPOR PRESSURE: INFORMATION NOT AVAILABLE
   VAPOR DENSITY: HEAVIER THAN AIR
   SOLUBILITY IN WATER: INSOLUBLE
   SPECIFIC GRAVITY: 1.15
   EVAPORATION RATE: SLOWER THAN BUTYL ACETATE
   pH: INFORMATION NOT AVAILABLE
   ODOR: ORGANIC SOLVENT
   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

   STRONG OXIDIZING OR REDUCING AGENTS

   HAZARDOUS DECOMPOSITION PRODUCTS:
   THERMAL DECOMPOSITION OR COMBUSTION CAN PRODUCE FUMES CONTAINING ORGANIC ACIDS, CARBON DIOXIDE AND CARBON MONOXIDE.

   HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

11. TOXICOLOGICAL INFORMATION

   EYE:
   INFORMATION NOT AVAILABLE

   SKIN:
   INFORMATION NOT AVAILABLE

   INGESTION:
   INFORMATION NOT AVAILABLE

   INHALATION:
   INFORMATION NOT AVAILABLE
SUBCHRONIC: INFORMATION NOT AVAILABLE

CHRONIC/CARCINOGENICITY: INFORMATION NOT AVAILABLE

TERATOLOGY: OCCUPATIONAL EXPOSURE TO ORGANIC SOLVENTS DURING PREGNANCY IS ASSOCIATED WITH &
WOMEN REPORTING SYMPTOMS ASSOCIATED WITH EXPOSURE APPEAR TO HAVE AN EVEN GREATER RISK COMPARED TO ASYMPTOMATIC
EXPOSURES.

REPRODUCTION: INFORMATION NOT AVAILABLE

MUTAGENICITY: INFORMATION NOT AVAILABLE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: INFORMATION NOT AVAILABLE

CHEMICAL FATE INFORMATION:

13. DISPOSAL CONSIDERATIONS

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)

US DOT HAZARD CLASS: 3 UN1263 FLAMMABLE

15. REGULATORY INFORMATION

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

U.S. FEDERAL REGULATIONS:
INFORMATION NOT AVAILABLE

OSHA:

CERCLA: SARA HAZARD CATEGORY:
THIS MATERIAL IS REGULATED UNDER THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA) AND
THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III SECTION 302. THIS MATERIAL IS OR CONTAINS CHEMICAL(S)
LISTED IN 40 CFR TABLE 302.4 OR NONDESIGNED RCRA ICR SUBSTANCE(S). (NONDESIGNED ICR SUBSTANCES APPLY TO MATERIALS
THAT WILL NOT BE REUSED.) RELEASE IN EXCESS OF ITS REPORTABLE QUANTITY MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER
(1-800-424-8802) AND TO THE APPROPRIATE STATE AND LOCAL EMERGENCY RESPONSE ORGANIZATIONS.

SECTION 313:
THIS PRODUCT CONTAINS A CHEMICAL WHICH IS LISTED IN SECTION 313 AT OR ABOVE DE MINIMIS CONCENTRATIONS.
**Material Safety Data Sheet**

**Product Code:** 1700B240  
**Product Name:** 1700B240 HS YELLOW AD

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

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

### Component/Exposure Limits

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<td>250 PPM STEL ACGIH</td>
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**Toxic Substances Control Act: Information Not Available**

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**International Regulations:**

**Canadian WHMIS:**
THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS EXCEPT FOR USE OF THE 16 HEADINGS.

**Canadian Environmental Protection Act (CEPA): Information Not Available**

**EINECS: Information Not Available**

**State Regulations:**

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

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MATERIAL SAFETY DATA SHEET

Product Code: 1700B240
Product Name: 1700B240 HS YELLOW AD

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

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

150 PPM TWA PEL OSHA
200 PPM STEL ACGIH

MINERAL SPIRITS
100 PPM ACGIH TLV
500 PPM OSHA PEL

64742-88-7 .06

PENNSYLVANIA
ANY MATERIAL LISTED AS "NON HAZARDOUS" IN THE CAS REG NO. COLUMN OF SECTION 2, COMPOSITION/INFORMATION ON INGREDIENTS, OF THIS MSDS IS A TRADE SECRET UNDER THE PROVISIONS OF THE PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW ACT.

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

Component/Exposure Limits CAS# % by Wt.
TOLUENE 108-88-3 13.84
200 PPM TWA OSHA
300 PPM CEIL OSHA
500 PPM PEAK OSHA
MIXED XYLENES (LIMITED PARAXYLENE CONTENT), ETHYLBENZENE 1330-20-7 8.51
100 PPM TWA OSHA
n-BUTYL ACETATE 123-86-4 4.86
150 PPM TWA PEL OSHA
200 PPM STEL ACGIH

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.
TOLUENE 108-88-3 13.84
200 PPM TWA OSHA
300 PPM CEIL OSHA
500 PPM PEAK OSHA
MIXED XYLENES (LIMITED PARAXYLENE CONTENT), ETHYLBENZENE 1330-20-7 8.51
100 PPM TWA OSHA
COBALT ALKANOATE SOLUTION 8020-83-5 .19
2 MD\M3
METAL CARBOXYLATE MIXTURE .17

VOLATILE ORGANIC COMPOUNDS: 3.49 lb/gl

16. OTHER INFORMATION

MSDS Status: INFORMATION NOT AVAILABLE

THIS DOCUMENT HAS BEEN PREPARED USING DATA FROM SOURCES CONSIDERED TECHNICALLY RELIABLE. IT DOES NOT CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. ACTUAL CONDITIONS OF USE AND
HANDLING ARE BEYOND SELLER’S CONTROL. USER IS RESPONSIBLE TO EVALUATE ALL AVAILABLE INFORMATION WHEN USING PRODUCT FOR ANY PARTICULAR USE AND TO COMPLY WITH ALL FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS AND REGULATIONS.

The following boilerplate keys do not have matching boilerplate key prefixes in the MSDS Master Format file:
EF01
NP02

*******************************************************************************