

Here Is The Information You Requested From . . .



FaxBack

PPG's FaxBack service is on-line 24 hours a day, seven days a week so you can instantly receive the information you need.

FaxBack® is a registered trademark of FaxBack Inc. Copyright © 1995. All rights reserved.
The information contained on this system is subject to change without notice. PPG is not responsible for errors or omissions within.

To: 7545600

Date: 2/4/1999

From: PPG FaxBack

Page 1 of 11

Thank you for using PPG's Automotive Refinish FaxBack Service. Information can be accessed any time, 24 hours a day, seven days a week simply by dialing (800) 450-2654 from your touch-tone phone and telling us the fax number to which you wish your information sent. For further Index or document information, please call 440-572-6111. If you are curious about the technology behind FaxBack, please call 503-614-5356

The materials described in the following pages are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to label directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, results, or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.

Copyrighted 1995 PPG Industries, Inc. all rights reserved.

MATERIAL SAFETY DATA SHEET (MSDS)

Please retain for your records.

MATERIAL SAFETY DATA SHEET

2SF83
5W151-5W165
5W167-5W173
5W175, 5W176

Coatings, Resins and Related Materials

SECTION I - PRODUCT AND PREPARATION INFORMATION
MANUFACTURER: RUST-OLEUM CORPORATION
ADDRESS: 11 Hawthorn Parkway, Vernon Hills, IL 60061
EMERGENCY AND INFORMATION TELEPHONE: (708) 367-7700

PRODUCT CLASS: Aerosol Spray Paints
MANUFACTURERS CODE: 2123, 2124, 2125, 2133, 2134, 2137, 2143, 2147, 2148, 2155, 2156, 2163, 2164, 2169, 2171, 2175, 2178, 2179, 2182, 2183, 2187, 2190, 2192 and 2196
TRADE NAME: HARD HAT Primers and Topcoats
DATE OF PREPARATION: August 20, 1993 (rwb/amb)

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT/CAS NO	WT%	EXPOSURE LIMITS			
		ACGIH-TLV	OSHA-PEL	LEL	mmHg@20C
Xylene/1330-20-7	15-30%*	100ppm	100ppm	1.2%	9.5
Toluene/108-88-3	10-25%*	100ppm	100ppm	1.2%	22.0
VM&P Naphtha/64742-89-8	0-5%*	300ppm	300ppm	0.9%	2.0
2-Butoxyethanol/111-76-2	0-10%*	25ppm	25ppm	1.1%	0.9
Methyl ethyl ketone/78-93-3	0-3%	200ppm	200ppm	2.0%	70.0
Ethyl benzene/100-41-4	1-4%	100ppm	100ppm	1.2%	10.0
n-Propanol/123-8	1%*	200ppm	200ppm	2.1%	14.9
Propellant/68476-86-8 (propane, butane, isobutane)	25%*	1000ppm	1000ppm	1.8%	85psi

*Nearest 5%
**Items in 2169 and 2182 only
NE-not established NA-not applicable

SECTION III - PHYSICAL DATA

Boiling range: Below 0 F
Evaporation Rate (Ether=1): Slower
Vapor density: Heavier than air
% Volatile (by volume): NA
Wt/gal: NA
pH: NA

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flammability Classification: Extremely Flammable
Flashpoint: <0 F (TCC)
DOT Classification: Flammable Gas 2.1
Extinguishing Media:
NFPA Class B extinguishers (Carbon dioxide, dry chemical or foam)
Special Fire Fighting Procedures:
Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion. If water is used, fog nozzles are preferred.
Unusual Fire and Explosion Hazards:
Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. DO NOT apply to hot surfaces.

SECTION V - HEALTH HAZARD DATA

Effects of Overexposure:
Acute (Inhalation):
Harmful if inhaled. May affect the brain or nervous system causing dizziness, headache or nausea. Repeated overexposures may progressively lead to staggering gait, confusion, unconsciousness or coma. Causes nose and throat irritation.
Acute (Skin or Eye Contact):
Causes eye and skin irritation which can lead to dermatitis with repeated overexposures.
Ingestion:
May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic:
Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Overexposure to Xylene and Toluene in lab animals has been associated with liver, kidney, lung, spleen and eye damage as well as anemia. Effects in humans have included liver and cardiac abnormalities. 2-Butoxyethanol may be harmful if absorbed through the skin and has been shown to cause blood abnormalities in lab animals.

Emergency and First Aid Procedures:

Inhalation:
Remove from exposure, restore breathing and notify a physician.
Eye Contact:
Flush immediately with large amounts of water for at least 15 minutes. Notify a physician.
Skin Contact:
Wash affected area with soap and water, remove contaminated clothing and wash before reuse.
Ingestion:
DO NOT induce vomiting. Keep person warm, quiet and get medical attention. Aspiration of this material into the lungs can cause chemical pneumonitis which can be fatal.

SECTION VI - REACTIVITY DATA

Stability: Stable
Incompatible:
with strong oxidizing agents
Hazardous Decomposition Products:
By open flame- Carbon monoxide and Carbon dioxide.
Hazardous Polymerization: Will Not Occur

SECTION VII - SPILL OR LEAK PROCEDURES

Release or Spill Procedures:
Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools
Waste Disposal Method:
Dispose of according to local, state and federal regulations. DO NOT incinerate closed containers.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection:
Use NIOSH approved chemical cartridge respirator (TC23C) to remove solid airborne particles of overspray and organic vapors during spray application. IN CONFINED AREAS: Use NIOSH approved supplied-air respirators or hoods (TC19C).
Eye Protection:
Use safety eyewear designed to protect against splash of liquids.
Other Protective Equipment:

Use impervious gloves and/or clothing to prevent skin contact.
Ventilation:
Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of hazardous ingredients below acceptable limits.

SECTION IX - SPECIAL PRECAUTIONS AND REGULATORY ISSUES

Handling/Storage Precautions:
Do not store above 120 F. DO NOT puncture or incinerate containers. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
CALIFORNIA PROPOSITION 65 STATEMENT:
These products contain chemicals known to the State of California to cause birth defects or other reproductive harm.

RECEIVED

FEB 11 1998

RAUHORN ELECTRIC INC.
BY *CW*



Material Safety Data Sheet

TO: MSDS USERS

Please find below the material safety data sheet as per your request.

The information presented in these data forms is believed to be correct and sufficient to meet the requirements of OSHA Hazard Communication standard (29 CFR 1910.1200) concerning worker's right to know. In order for the information contained in the MSDS to be most helpful we recommend that these forms be made available to all those who handle or may otherwise be exposed to the product.

PRODUCT NAME: (16A2) #141 COLD GALVANIZE PRODUCT CODE: 16 A2 HMIS CODES: H F R P
PRODUCT USE: GALVANIZED COATING: PRIMER <60% V.O.C. 2 4 1

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: Aervoe-Pacific Company, Inc.
ADDRESS: 1198 Sawmill Rd., Gardnerville, NV 89410
EMERGENCY PHONE: 1-800-424-9300
DATE REVISED: 01-01-97

INFORMATION PHONE: (702) 782-0100
NAME OF PREPARER: Mike A. Traquina
REASON REVISED: Updated

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS COMPONENTS/WEIGHT PERCENT	OSHA PEL	ACGIH TLV	OTHER	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
*SS 12 XYLENE (CAS 1330 20 7) 17	100 PPM	100 PPM		4300 mg/kg RAT ORAL	6700 PPM; 4hr RAT INHA
*SS 42 METHYL ETHYL KETONE (CAS 78 93 3) 10	200 PPM	200 PPM			
*MP 08 ZINC DUST (CAS 7440 66 6) 41	10 mg/m3	N/A	N/A	N/A	N/A
PR 01A PROPANE (CAS 74 98 6) 20	1000 PPM	1000 PPM		N/A	N/A
PR 01B ISOBUTANE (CAS 75 28 5) <0.0%	800 PPM	800 PPM	<ESTIMATE	N/A	520000 PPM; 2 hr. MOUSE EXP
PR 01C NORMAL BUTANE (CAS 106 97 8) 10	600 PPM	600 PPM		N/A	658 mg/L; 4 hr RAT INHA

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

NOTE: N/A applies to not available or not applicable

RECEIVED

FEB 11 1998

RAUHORN ELECTRIC INC.
BY C.W.

PRODUCT CODE: 16 A2

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: -10° F/-23.3° C SPECIFIC GRAVITY (H2O=1): 1.2 COEFFICIENT OF WATER/OIL DIST: N/A ODOR THRESHOLD: N/A
VAPOR DENSITY: HEAVIER THAN AIR SOLUBILITY IN WATER: NEGLIGIBLE
EVAPORATION RATE: FASTER THAN n-BUTYL ACETATE APPEARANCE AND ODOR: OPAQUE LIQUID / SOLVENT BASED ODOR
COATING V.O.C.: 5.83 LBS/IMP GAL 4.86 LBS/US GAL 582 GMS/LTR FREEZING POINT: N/A pH: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -22° F/-30° C METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER: 1.0% UPPER: 9.5%
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG
SPECIAL FIREFIGHTING PROCEDURES - WATER SPRAY MAY BE INEFFECTIVE, BUT WATER SPRAY MAY BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FIRE TO PREVENT PRESSURE BUILD UP.
UNUSUAL FIRE AND EXPLOSION HAZARDS - CLOSED CONTAINERS MAY EXPLODE DUE TO BUILD UP OF PRESSURE FROM EXTREME HEAT OR FIRE. AEROSOL SPRAY IS EXTREMELY FLAMMABLE.
FLAMMABILITY - T.D.G.R. CLASS - CONSUMER COMMODITY ORM-D, (UN1950 CLASS 9), NFPA 30B, LEVEL 2 AEROSOL
SENSITIVITY TO IMPACT - DO NOT PUNCTURE SENSITIVITY TO STATIC DISCHARGE - PRIMARILY VAPORS.

SECTION V - REACTIVITY DATA

STABILITY: STABLE CONDITIONS TO AVOID - HIGH TEMPERATURES
INCOMPATIBILITY (MATERIALS TO AVOID) - STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS - CARBON MONOXIDE, CARBON DIOXIDE AND VARIOUS HYDROCARBONS
HAZARDOUS POLYMERIZATION - WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE - MAY CAUSE DIZZINESS OR NAUSEA.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE - SKIN: MAY CAUSE IRRITATION OR BURNING SENSATION.
EYES: PRIMARY IRRITATION
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE - N/A
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE - MAY CAUSE IRRITATION OR BURNING SENSATION.
HEALTH HAZARDS (ACUTE AND CHRONIC) - INHALATION: ANESTHETIC. IRRITATION OF THE RESPIRATORY TRACT, OR NERVOUS SYSTEM DEPRESSION (CHARACTERIZED BY HEADACHE, DIZZINESS, NAUSEA OR POSSIBLE UNCONSCIOUSNESS). SKIN OR EYE CONTACT: PRIMARY IRRITATION. PROLONGED OR REPEATED CONTACT TO SKIN MAY CAUSE DERMATITIS - EXERCISE DUE CARE
CARCINOGENICITY: NONE KNOWN NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO
TERATOGENICITY - N/A MUTAGENICITY - N/A TOXICOLOGICALLY SYNERGISTIC PRODUCT - N/A
MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE - NONE KNOWN
EMERGENCY AND FIRST AID PROCEDURES - VAPORS: REMOVE FROM EXPOSURE AND RESTORE BREATHING, SEEK MEDICAL ATTENTION
SPASH: (SKIN) WASH AFFECTED AREA, REMOVE CONTAMINATED CLOTHING, SEE PHYSICIAN IF ANY IRRITATION PERSISTS.
SPASH: (EYES) FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES AND TAKE TO A PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - REMOVE ALL SOURCES OF IGNITION: FLAMES, SPARKS, STATIC ELECTRICITY & ELECTRICAL. VENTILATE AREA AND SOAK UP WITH INERT ABSORBENT USING NON-SPARKING TYPE TOOLS.
WASTE DISPOSAL METHOD - DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - DO NOT STORE ABOVE 120° F/48.9° C. DO NOT STORE OR USE NEAR HEAT, SPARKS, OR FLAME.
OTHER PRECAUTIONS - DO NOT GET IN EYES. DO NOT BREATHE VAPORS. AVOID SKIN CONTACT. DO NOT TAKE INTERNALLY. SMOKING WHILE USING THIS PRODUCT MUST BE STRICTLY PROHIBITED. IN ADDITION TO ALL OTHER HAZARDS AND PRECAUTIONS - DUST FROM SANDING THE DRY PAINT FILMS SHOULD BE TREATED AS A NUISANCE DUST WITH A TLV OF 12 MG/CUBIC METER.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION - OUTDOORS: WE RECOMMEND AN APPROVED PARTICULATE FILTER TO REMOVE ANY AIRBORNE OVERSPRAY. IN RESTRICTED AREAS WITH POOR VENTILATION AND CLOSE TO THE T.L.V. A NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IS RECOMMENDED.
VENTILATION - ALL APPLICATION AREAS SHOULD BE ADEQUATELY VENTILATED IN ORDER TO KEEP THE ITEMS IN SECTION II BELOW THEIR EXPOSURE LIMITS.
PROTECTIVE GLOVES - IMPERVIOUS GLOVES (NATURAL RUBBER) ARE RECOMMENDED TO PREVENT SKIN CONTACT.
EYE PROTECTION - SAFETY GLASSES WITH SIDE SHIELDS ARE RECOMMENDED TO PREVENT EYE CONTACT.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT - IMPERVIOUS APRON IS RECOMMENDED TO PREVENT SKIN CONTACT. EYE WASH FOUNTAIN AND SAFETY SHOWER.
WORK/HYGIENIC PRACTICES - AVOID PROLONGED OR REPEATED CONTACT. DO NOT BREATHE VAPORS. WASH CONTAMINATED CLOTHING PRIOR TO RE-USE.

SECTION IX - DISCLAIMER

DISCLAIMER - THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE SO. NOTHING CONTAINED HEREIN CONSTITUTES A SPECIFICATION NOR IS IT INTENDED TO WARRANT SUITABILITY FOR THE INTENDED USE.



Material Safety Data Sheet

TO: MSDS USERS

Please find below the material safety data sheet as per your request.

The information presented in these forms is believed to be correct and sufficient to meet the requirements of OSHA Hazard Communication standard (29 CFR.1910.1200) concerning worker's right to know. In order for the information contained in the MSDS to be most helpful we recommend that these forms be made available to all those who handle or may otherwise be exposed to the product.

The following material safety data sheet covers the hazardous ingredients associated with more than one color aerosol spray paint. As per 29 CFR 1900. 1200 paragraph (g); whenever the hazards associated with similar mixtures are the same, then one MSDS may be prepared to cover several products.

This MSDS covers the following AerVOE-Pacific aerosol spray paints.

MARKING PAINT

<i>REGULAR</i>	<i>FLUORESCENT</i>	261S RED	<i>HIGH DELIVERY</i>
200 CLEAR	220 RED	262S YELLOW	281 RED
201 RED	222 ORANGE	263S BLUE	282 YELLOW
202 YELLOW	224 GREEN	264S GREEN	283 BLUE
203 BLUE	226 YELLOW	265S ORANGE	285 ORANGE
204 GREEN	227 BLUE	266S BLACK	287 FLUORESCENT RED
205 ORANGE	229 PINK	267S WHITE	288 FLUORESCENT ORANGE
206 BLACK	230 RED/ORANGE	270S FLUORESCENT RED	289 FLUORESCENT PINK
207 WHITE		272S FLUORESCENT ORANGE	
208 HI VISIBILITY YELLOW		274S FLUORESCENT GREEN	
210 SILVER		275S FLUORESCENT RED/ORANGE	
211 ROYAL BLUE		279S FLUORESCENT PINK	
212 PURPLE			
213 BROWN			

PRODUCT NAME: (17A) MARKING PAINT - ALL COLORS
 PRODUCT USE: GROUND TRAFFIC <66% V.O.C.

PRODUCT CODE: 17A

HMIS CODES: H F R P
 2 4 1 X

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: AerVOE-Pacific Company, Inc.
 ADDRESS: 1198 Mark Circle, Gardnerville, NV 89410
 EMERGENCY PHONE: 1-800-424-9300
 DATE REVISED: 12-28-98

INFORMATION PHONE: (775) 782-0100
 NAME OF PREPARER: Mike A. Traquina
 REASON REVISED: Updated

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION OCCUPATIONAL EXPOSURE LIMITS

HAZARDOUS COMPONENTS/WEIGHT PERCENT	OSHA PEL	ACGIH TLV	OTHER	LD50 SPECIES & ROUTE	LC50 SPECIES & ROUTE
*SS 12 XYLENE (CAS 1330 20 7) 13	100 PPM	100 PPM		4300mg/kg RAT ORAL	6700PPM; 4hr RAT INHA.
SS 9 PETROLEUM NAPHTHA (CAS 647 42 89 8) 20	400 PPM	400 PPM	N/A	25ML/KG (RAT)	14,000-16,000PPM/4H RAT
SS 01 MINERAL SPIRITS (CAS 8052 41 3) <5.0%	100 PPM	100 PPM		N/A	N/A
PR 01A PROPANE (CAS 74 98 6) 15	1000 PPM	1000 PPM		N/A	N/A
PR 01B ISOBUTANE (CAS 75 28 5) <5.0%	800 PPM	800 PPM	<-ESTIMATE	N/A	520000PPM; 2 hr Mouse Exp
PR 010 NORMAL BUTANE (CAS 106 97 8) 5	600 PPM	600 PPM		N/A	658mg/L; 4hr RAT INHA

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

NOTE: N/A applies to not available or not applicable

RECEIVED

APR 23 1999

RAUHORN ELECTRIC INC.
 BY: CTW

PRODUCT CODE: 17A

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 10°F/-12°C **SPECIFIC GRAVITY (H2O=1):** 0.8 **COEFFICIENT OF WATER/OIL DIST:** N/A **ODOR THRESHOLD:** N/A
VAPOR DENSITY: HEAVIER THAN AIR **SOLUBILITY IN WATER:** NEGLIGIBLE
EVAPORATION RATE: FASTER THAN n-BUTYL ACETATE **APPEARANCE AND ODOR:** OPAQUE LIQUID WITH SOLVENT ODOR
COATING V.O.C.: 5.65 LBS/IMP GAL 4.70 LBS/US GAL 564 GMS/LTR **FREEZING POINT:** N/A **pH:** N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -25° F/32° C **METHOD USED:** TCC **FLAMMABLE LIMITS IN AIR BY VOLUME - LOWER:** 0.7% **UPPER:** 9.5%
EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG
SPECIAL FIREFIGHTING PROCEDURES - WATER SPRAY MAY BE INEFFECTIVE, BUT WATER SPRAY MAY BE USED TO COOL CONTAINERS EXPOSED TO HEAT OR FIRE TO PREVENT PRESSURE BUILD UP.
UNUSUAL FIRE AND EXPLOSION HAZARDS - CLOSED CONTAINERS MAY EXPLODE DUE TO BUILD UP OF PRESSURE FROM EXTREME HEAT OR FIRE.

FLAMMABILITY - T.D.G.R. CLASS - CONSUMER COMMODITY ORM-D, (UN1950 CLASS 9), NFPA 30B, LEVEL 2 AEROSOL
SENSITIVITY TO IMPACT - DO NOT PUNCTURE **SENSITIVITY TO STATIC DISCHARGE -** PRIMARILY VAPORS.

SECTION V - REACTIVITY DATA

STABILITY: STABLE **CONDITION TO AVOID -** HIGH TEMPERATURES
INCOMPATIBILITY (MATERIALS TO AVOID) - STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS - CARBON MONOXIDE AND CARBON DIOXIDE
HAZARDOUS POLYMERIZATION - WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE - MAY CAUSE DIZZINESS OR NAUSEA.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE - SKIN: MAY CAUSE IRRITATION OR BURNING SENSATION.
EYES: PRIMARY IRRITATION
INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE - N/A
SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE - MAY CAUSE IRRITATION OR BURNING SENSATION.
HEALTH HAZARDS (ACUTE AND CHRONIC) - INHALATION: ANESTHETIC. IRRITATION OF THE RESPIRATORY TRACT, OR NERVOUS SYSTEM DEPRESSION (CHARACTERIZED BY HEADACHE, DIZZINESS, NAUSEA OR POSSIBLE UNCONSCIOUSNESS). SKIN OR EYE CONTACT: PRIMARY IRRITATION. PROLONGED OR REPEATED CONTACT TO SKIN MAY CAUSE DERMATITIS - EXERCISE DUE CARE
CARCINOGENICITY: NONE KNOWN: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED?
TERATOGENICITY - N/A **MUTAGENICITY -** N/A **TOXICOLOGICALLY SYNERGISTIC PRODUCT -** N/A

MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE - NONE KNOWN
EMERGENCY AND FIRST AID PROCEDURES - VAPORS: REMOVE FROM EXPOSURE AND RESTORE BREATHING, SEEK MEDICAL ATTENTION
SPLASH: (SKIN) WASH AFFECTED AREA, REMOVE CONTAMINATED CLOTHING, SEE PHYSICIAN IF ANY IRRITATION PERSISTS.
SPLASH: (EYES) FLUSH IMMEDIATELY WITH WATER FOR 15 MINUTES AND TAKE TO A PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - REMOVE ALL SOURCES OF IGNITION: FLAMES, SPARKS, STATIC ELECTRICITY & ELECTRICAL. VENTILATE AREA AND SOAK UP WITH INERT ABSORBENT USING NON-SPARKING TYPE TOOLS.
WASTE DISPOSAL METHOD - DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING - DO NOT STORE ABOVE 120° F/48.9° C. DO NOT STORE OR USE NEAR HEAT, SPARKS, OR FLAME.
OTHER PRECAUTIONS - DO NOT GET IN EYES. DO NOT BREATHE VAPORS AVOID SKIN CONTACT. DO NOT TAKE INTERNALLY. SMOKING WHILE USING THIS PRODUCT MUST BE STRICTLY PROHIBITED. IN ADDITION TO ALL OTHER HAZARDS AND PRECAUTIONS - DUST FROM SANDING THE DRY PAINT FILMS SHOULD BE TREATED AS A NUISANCE DUST WITH A TLV OF 10mg/cubic meter.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION - OUTDOORS: WE RECOMMEND AN APPROVED PARTICULATE FILTER TO REMOVE ANY AIRBORNE OVERSPRAY. IN RESTRICTED AREAS WITH POOR VENTILATION AND CLOSE TO THE T.L.V, A NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE IS RECOMMENDED.
VENTILATION - ALL APPLICATION AREAS SHOULD BE ADEQUATELY VENTILATED IN ORDER TO KEEP THE ITEMS IN SECTION II BELOW THEIR EXPOSURE LIMITS.
PROTECTIVE GLOVES - IMPERVIOUS GLOVES (NATURAL RUBBER) ARE RECOMMENDED TO PREVENT SKIN CONTACT.
EYE PROTECTION - SAFETY GLASSES WITH SIDE SHIELDS ARE RECOMMENDED TO PREVENT EYE CONTACT.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT - EYE WASH FOUNTAIN AND SAFETY SHOWER. IMPERVIOUS APRON IS RECOMMENDED TO PREVENT SKIN CONTACT.
WORK/HYGIENIC PRACTICES - AVOID PROLONGED OR REPEATED CONTACT. DO NOT BREATHE VAPORS. WASH CONTAMINATED CLOTHING PRIOR TO RE-USE.

SECTION IX - DISCLAIMER

DISCLAIMER-THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE SO. NOTHING CONTAINED HEREIN CONSTITUTES A SPECIFICATION NOR IS IT INTENDED TO WARRANT SUITABILITY FOR THE INTENDED USE.

RECEIVED

APR 23 1999

RAUHORN ELECTRIC INC.
BY CTW.

MINERAL SPIRITS

PRODUCT CODE: R0000010700

=====

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

REVISION DATE: 05/30/1997
UN NUMBER: UN1268

PRIMARY APPLICATION- CHEMICAL INTERMEDIATE

MANUFACTURER- SUN COMPANY, INC.
TEN PENN CENTER
1801 MARKET STREET
PHILADELPHIA PA 19103-1699

SYNONYMS.....: STODDARD SOLVENT
CAS REGISTRY NO: 8052-41-3
CAS NAME.....: STODDARD SOLVENT
CHEMICAL FAMILY: PETROLEUM HYDROCARBON

INFORMATION
SUPPLIER... JOANNE HOUCK
PHONE..... (610) 859-1120

EMERGENCY PHONE NUMBERS (AFTER NORMAL BUSINESS HOURS)
SUN CO.. 1-800-964-8861
CHEMTREC. 1-800-424-9300

=====

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT/CAS NO.	LO% WGT	MIX	OSHA		EXPOSURE GUIDELINES		UNIT
			TWA	STEL	ACGIH	SUN/MFR	
LIMITS FOR THE PRODUCT:							
NO SPECIFIC LIMIT							
STODDARD SOLVENT							
8052-41-3	.00	100.0	100		100		PPM
1,2,4-TRIMETHYLBENZENE							
95-43-6	.00	5.00	25		25		PPM
1,3,5-TRIMETHYLBENZENE							
108-67-8	.00	5.00	25		25		PPM

ADDITIONAL EXPOSURE LIMITS ----- SUN RECOMMENDATION
8 HR. TIME WEIGHTED PERMISSIBLE EXPOSURE- 100 PPM 300 MG/M3

=====

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW -----

DANGER! COMBUSTIBLE LIQUID AND VAPOR. MAY CAUSE SKIN IRRITATION.
PULMONARY ASPIRATION HAZARD-CAN ENTER LUNGS AND CAUSE DAMAGE.

APPEARANCE-- CLEAR LIQUID. ODOR-- SOLVENT ODOR.

POTENTIAL HEALTH EFFECTS -----

PRIMARY ROUTES OF ENTRY- INHALATION(X) SKIN(X) EYE(X) INGESTION()

INHALATION -----
LC50 IN RATS IS: > 5500 MG/M3, TIME 4 HRS. EXCESSIVE EXPOSURES MAY CAUSE IRRITATION TO EYES, NOSE, THROAT AND LUNGS. CENTRAL NERVOUS SYSTEM EFFECTS; DIZZINESS, LOSS OF BALANCE AND COORDINATION; UNCONSCIOUSNESS, COMA; RESPIRATORY FAILURE AND DEATH.

SKIN -----
PRACTICALLY NON-TOXIC IF ABSORBED (LD50 GREATER THAN 2000 MG/KG). MAY CAUSE MODERATE IRRITATION WITH PROLONGED OR REPEATED CONTACT. REMOVES NATURAL OILS & FATS FROM SKIN. DRAIZE SKIN IRRITATION SCORE IS: 4.5 OUT OF 8.0. DERMAL LD50 IN RABBITS IS: > 3,000 MG/KG.

EYE -----

N/A = NOT APPLICABLE N.D. = NO DATA / NOT DETERMINED

MINERAL SPIRITS

PRODUCT CODE: R00000010700

CONTACT WITH THE EYE MAY CAUSE MINIMAL IRRITATION. DRAIZE EYE IRRITATION SCORES ARE: SEE SECTION 11 - ACUTE TOXICITY

INGESTION -----

ORAL LD50 IN RATS IS: > 5 G/KG. HARMFUL OR FATAL IF SWALLOWED. PULMONARY ASPIRATION HAZARD IF SWALLOWED AND/OR VOMITING OCCURS - CAN ENTER LUNGS AND CAUSE DAMAGE.

CARCINOGEN LISTED BY-IARC(NO) NTP(NO) OSHA(NO) ACGIH(NO) OTHER(NO)

PRE-EXISTING MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE- DISORDERS OR DISEASES OF THE SKIN, EYE, LIVER, KIDNEY, NERVOUS SYSTEM, RESPIRATORY AND/OR PULMONARY SYSTEM, LUNG (E.G. ASTHMA-LIKE CONDITIONS).

=====

4. FIRST AID MEASURES

INHALATION -----

MOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, OBTAIN MEDICAL ASSISTANCE.

SKIN -----

WASH WITH SOAP AND WATER UNTIL NO ODOOR REMAINS. IF REDNESS OR SWELLING DEVELOPS, OBTAIN MEDICAL ASSISTANCE. WASH CLOTHING BEFORE REUSE.

EYE -----

FLUSH WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ASSISTANCE.

INGESTION -----

DO NOT INDUCE VOMITING! DO NOT GIVE LIQUIDS! OBTAIN EMERGENCY MEDICAL ATTENTION. SMALL AMOUNTS WHICH ACCIDENTALLY ENTER MOUTH SHOULD BE RINSED OUT UNTIL TASTE OF IT IS GONE.

=====

5. FIRE FIGHTING MEASURES

FLASH POINT: 105 MINIMUM TCC (DEG. F); 40.5 MIN TCC (DEG. C)
AUTOIGNITION TEMP.: 540 ESTIMATED (DEG. F); 282 ESTIMATED (DEG. C)

---FLAMMABLE LIMITS IN AIR---

LOWER EXPLOSIVE LIMIT (LEL): ESTIMATED 0.8 % VOLUME
UPPER EXPLOSIVE LIMIT (UEL): ESTIMATED 5.0 % VOLUME

FIRE AND EXPLOSION HAZARDS -----

COMBUSTIBLE (FLASH POINT 100 TO 200F)

EXTINGUISHING-MEDIA -----

WATER SPRAY. REGULAR FOAM. DRY CHEMICAL. CARBON DIOXIDE.

SPECIAL FIRE FIGHTING INSTRUCTIONS -----

COOL TANK/ CONTAINER. WEAR SELF-CONTAINED BREATHING APPARATUS. WEAR STRUCTURAL FIREFIGHTERS PROTECTIVE CLOTHING.

NFPA/HHMS CLASSIFICATION

HEALTH - 1 / 1

FIRE - 2 / 2

REACTIVITY - 0 / 0

PERSONAL PROTECTION INDEX - X

HAZARD RATING

0=LEAST 1=SLIGHT

2=MODERATE 3=HIGH

4=EXTREME

SPECIFIC HAZARD: COMBUSTIBLE LIQUID

=====

6. ACCIDENTAL RELEASE MEASURES

PREVENT IGNITION; STOP LEAK; VENTILATE AREA. CONTAIN SPILL. WEAR RESPIRATORY PROTECTION FOR LARGE SPILL, LEAK OR RELEASE. USE PERSONAL PROTECTIVE EQUIPMENT STATED IN SECTION 8. ADVISE EPA; STATE AGENCY IF REQUIRED. ABSORB ON INERT MATERIAL. SHOVEL, SWEEP OR VACUUM SPILL.

N/A = NOT APPLICABLE N.D. = NO DATA / NOT DETERMINED



96 PRE-CLEAN

DATE: 1/00/96
PAGE 1 OF 7**MATERIAL SAFETY DATA SHEET**

Service or Information Telephone Number (502) 737-2707 / In case of Emergency call Chem-Trec at 800-424-9300

SECTION 1. PRODUCT / MANUFACTURER IDENTIFICATION

PRODUCT NAME: PRE-CLEAN
 PRODUCT CODE: # 96
 GENERAL / GENERIC NAME: PRE-CLEAN
 COMPANY IDENTITY: NEW CONCEPT DEVELOPMENT / PAINTERS PRIDE
 COMPANY ADDRESS: 5102 BATTLE TRAINING RD. LEBANON JUNCTION, KY 40150

HAZARD RATINGS: HEALTH (NFPA) / NA HEALTH (HMIS) / 0 FLAMMABILITY / 3 REACTIVITY / 0
 0= Insignificant 1= Slight 2=Moderate 3=High 4=extreme

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	% (by volume)
ALIPHATIC PETROLEUM DISTILLATES	64742-89-8	83.0- 87.0
ALIPHATIC HYDROCARBONS (STODDARD TYPE)	8052-41-3	6.0- 10.0
ISOPROPRANOL	67-63-0	8.0
XYLENE	1330-20-7	7.0
ETHYLBENZENE	100-41-4	1.7

3. HAZARDS IDENTIFICATION**Potential Health Effects****Eye**

Exposure can cause eye irritation. Symptoms may include stinging, tearing, redness, and swelling.

Skin

Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking, as skin burns. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Swallowing

Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage.

Inhalation

Exposure to vapor or mist is possible. Short-term inhalation toxicity is low. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits.

Symptoms of Exposure

gastrointestinal irritation (nausea, vomiting, diarrhea), irritation (nose, throat, respiratory tract), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).

#96

Target Organ Effects

Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals, and may aggravate pre-existing disorders of these organs in humans: liver abnormalities.

Developmental Information

No data

Cancer Information

No data

Other Health Effects

No data

Primary Route(s) of Entry

Inhalation, Skin contact.

4. FIRST AID MEASURES**Eyes**

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing

Do not induce vomiting. This material is an aspiration hazard. If individual is drowsy or unconscious, place on left side with the head down. Seek medical attention. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Note to Physicians

No data

5. FIRE FIGHTING MEASURES**Flash Point**

40.0 - 50.0 F (4.4 - 10.0 C) TCC

Explosive Limit

(for component) Lower .7 %

Autoignition Temperature

No data

Continued on next page

Hazardous Products of Combustion

May form: carbon dioxide and carbon monoxide, various hydrocarbons.

Fire and Explosion Hazards

Vapors are heavier than air and may travel along the ground or may be moved by wind. Vapors 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. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.

Extinguishing Media

regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions

Wear a self-contained breathing apparatus with a full facepiece operated in positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating

Not determined

6. ACCIDENTAL RELEASE MEASURES**Small Spill**

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

Large Spill

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal. Per good environmental management practices, prevent run-off to sewers, streams and other bodies of water. Stop spill at the source. Cover sewer grates and dike the spill. Absorb spilled material on to absorbents. Shovel materials into container. Close containers tightly and dispose of properly.

7. HANDLING AND STORAGE**Handling**

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred. Warning: Sudden release of hot organic chemical vapors or mists from process equipment operating at elevated temperature and pressure, or sudden ingress of air into vacuum equipment, may result in ignitions without the presence of obvious ignition sources. Published "autoignition" or "ignition" temperature values cannot be treated as safe operating temperatures in chemical processes without analysis of the actual process conditions. Any use of this product in elevated temperature processes should be thoroughly evaluated to establish and maintain safe operating conditions.

Continued on next page

#96

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

Skin Protection

Wear resistant gloves (consult your safety equipment supplier)., To prevent repeated or prolonged skin contact, wear impervious clothing and boots..

Respiratory Protections

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Engineering Controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Exposure Guidelines

Component

ALIPHATIC PETROLEUM DISTILLATES (64742-89-8)

No exposure limits established

ALIPHATIC HYDROCARBONS (STODDARD TYPE) (8052-41-3)

OSHA VPEL 100.000 ppm - TWA

ACGIH TLV 100.000 ppm - TWA

ISOPROPANOL (67-63-0)

OSHA VPEL 400.000 ppm - TWA

OSHA VPEL 500.000 ppm - STEL

ACGIH TLV 400.000 ppm - TWA

ACGIH TLV 500.000 ppm - STEL

XYLENE (1330-20-7)

OSHA VPEL 100.000 ppm - TWA

OSHA VPEL 150.000 ppm - STEL

ACGIH TLV 100.000 ppm - TWA

ACGIH TLV 150.000 ppm - STEL

ETHYLBENZENE (100-41-4)

OSHA VPEL 100.000 ppm - TWA

OSHA VPEL 125.000 ppm - STEL

ACGIH TLV 100.000 ppm - TWA

ACGIH TLV 125.000 ppm - STEL

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point

(for component) 180.0 F (82.2 C) @ 760 mmHg

Continued on next page

#96

SARA 313 Components - 40 CFR 372.65

Section 313 Component(s)	CAS Number	Max %
XYLENE (MIXED ISOMERS)	1330-20-7	6.80
ETHYLBENZENE	100-41-4	1.70

International Regulations
Inventory Status
Not determined

State and Local Regulations
California Proposition 65

The following statement is made in order to comply with the California Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substance(s) known to the state of California to cause cancer: BENZENE

New Jersey RTK Label Information

NAPHTHA, SOLVENT	64742-89-8
STODDARD SOLVENT	8052-41-3
ISOPROPYL ALCOHOL	67-63-0
XYLENES	1330-20-7
ETHYL BENZENE	100-41-4

Pennsylvania RTK Label Information

STODDARD SOLVENT	8052-41-3
2-PROPANOL	67-63-0
BENZENE, DIMETHYL-	1330-20-7
BENZENE, ETHYL-	100-41-4

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance, of need that the information is current, applicable, and suitable to their circumstances.