MATERIAL SAFETY DATA SHEET

4-hour Emergency Phone: 1-800-633-8253

PRODUCT CODE: 5HES1101

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PRODUCT NAME: 5-HES-1101 RED OXIDE PRIMER

HMIS CODES: HCFRP

PRODUCT CODE: 5HES1101

======== SECTION I - MANUFACTURER IDENTIFICATION ==

MANUFACTURER'S NAME: P.F.I. , INC. - PAINTS FOR INDUSTRY

: 9215 SANTA FE SPRINGS RD.

SANTA FE SPRINGS, CA, 90670

DATE PRINTED : 6/4/2009 INFORMATION PHONE : (562) 946-6666

======== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION ====

VAPOR PRESSURE @TEMP (F) WEIGHT REPORTABLE COMPONENTS CAS

NUMBER mm Ha

TALC 399/NICRON 660 MINERAL SPIRIT 8052-41-3 68 12

ACETONE 67-64-1 185 68 8

*** No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present.***

IN ACCORDANCE WITH THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (SARA)

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL.

==== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS ======

SPECIFIC GRAVITY (H2O=1): 1.3420

BOILING RANGE: 133.0 deg F TO 315.0 deg F VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER

COATING V.O.C.: 267 Gms/Lit MATERIAL V.O.C.: 230 Gms/Lit COATING V.O.C.: 2.2 Lbs/Gal MATERIAL V.O.C.: 1.9 Lbs/Gal

SOLUBILITY IN WATER: SOLUBILITY BP APPEARANCE AND ODOR: APPEARANCE BP

============= SECTION IV - FIRE AND EXPLOSION HAZARD DATA ==

FLASH POINT: -4.00 deg F METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.0 UPPER: 12.8

EXTINGUISHING MEDIA: FOAM, CO2, DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES

Water may be ineffective on fire but water spray may be used to cool closed containers exposed to extreme heat or fire to prevent pressure build up.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep away from heat, sparks and open flame. Closed containers may explode when exposed to extreme heat or fire. Do not apply to hot surfaces.

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TABILITY: STABLE

TABILITY: STABLE ONDITIONS TO AVOID

icessive heat, poor ventilation, corrosive atmospheres.

NCOMPATIBILITY (MATERIALS TO AVOID)

.kaline materials, strong acids, and oxidizing materials.

AZARDOUS DECOMPOSITION OR BYPRODUCTS

irbon monoxide, carbon dioxide, oxides of nitrogen.

'AZARDOUS POLYMERIZATION: WILL NOT OCCUR

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

nhalation: May cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. High oncentrations may result in narcosis. Do not breath vapors or spray mist.

SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

ntact: Severe irritation, redness, tearing, and blurred vision.

k___ontact: Moderate irritation.

3KIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

kin absorption: May cause irritation, defatting, and dermatitis.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

ngestion: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Do not ingest, eat, swallow, or chew his product or it's dried film.

HEALTH HAZARDS (ACUTE AND CHRONIC)

cute: May cause eye, nose, respiratory tract and skin irritation, headache, drowsiness, and nausea. Ingestion may result in vomiting; aspiration (breathing-in) into lungs may result in aspiration pneumonitis. Chronic: Long term exposure may lead to central nervous system depression and dermatitis.

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Respiratory tract irritation, dermatitis, nausea, vomiting.

EMERGENCY AND FIRST AID PROCEDURES

Interlation overexpossure: Move person to fresh-air. If breathing stops, apply artificial respiration and seek frate medical attention. Eye contact: Flush with large quantities of water for 20 minutes and see a doctor. Skin contact: Wash thoroughly with soap and water and see a doctor. Ingestion: Do not induce vomiting, can cause chemical pneumonitis and pulmonary edema. Contact physician immediately.

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======= SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE ==========

TEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

move all sources of ignition. Ventilate area. Mop up spills with inert absorbent material.

ASTE DISPOSAL METHOD

spose in accordance with all federal, state, and local regulations. Do not incinerate closed containers.

RECAUTIONS TO BE TAKEN IN HANDLING AND STORING

e non-sparking utensils when handling this material. Avoid hot metal surfaces. Use in cool, well-ventilated areas, ep containers closed when not in use. Keep away from excessive heat and open flames. Do not smoke.

THER PRECAUTIONS

igestion and vomiting may cause aspiration via hydro carbon liquid into the lungs and cause pneumonitis and pulmonary .ema/hemorrhage.

ARNING: THIS PRODUCT AND ITS VAPORS CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH OFFICES OR OTHER REPRODUCTIVE HARM.

ESPIRATORY PROTECTION

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nen using this material use a MIOSH/MSHA approved cartridge respirator or gas mask suitable to keep airborne mists and upor concentrations below the time-weighted threshold limit values. When using in poorly ventilated and confined paces, use a fresh-air supplying respirator or self-contained breathing apparatus.

ENTILATION

ineral mechanical ventilation or local exhaust may be suitable to keep vapor concentration below TLV. Ventilation juipment must be explosion proof. The use of air monitoring equipment is recommended. Do not breath vapors or mist.

'ROTECTIVE GLOVES

spermeable chemical handling gloves for skin protection.

YE PROTECTION

se chemical safety glasses, goggles, and faceshields for eye protection.

THER PROTECTIVE CLOTHING OR EQUIPMENT

se impermeable aprons and protective clothing whenever possible to prevent skin contact. The use of head caps however a strongly recommended.

ORK/HYGIENIC PRACTICES

ve washes and safety showers in the workplace is recommended.

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