

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: TEMPROOF STOVE PAINT – SPRAY – LOW VOC  
PRODUCT CODE: 612A

HMS CODES: H F R P  
2 4 0

## SECTION I – MANUFACTURER IDENTIFICATION

MANUFACTURE'S NAME: UNITED GILSONITE LABORATORIES  
ADDRESS: 1396 JEFFERSON AVENUE  
SCRANTON, PA 18509

EMERGENCY PHONE: (800) 424-9300  
INFORMATION PHONE: (570) 344-1202  
NAME OF PREPARER: R. BARAKO

DATE REVISED: APRIL 2006  
SUPERSEDES: SEPTEMBER 2001

## SECTION II – HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mmHg @ TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER		
SILICONE MODIFIED ALKYD	PROPRIETARY	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	5
EXEMPT MINERAL SPIRITS	64742-88-7	500 PPM	100 PPM	NOT ESTAB	2.6 (68F)	<5
STODDARD SOLVENT	8052-41-3	100 PPM	100 PPM	100 PPM	3.0 (68F)	15
MANGANESE FERRITE BLACK SPINEL	68186-94-7	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	<5
* TOLUENE	108-88-3	100 PPM (TWA)	50 PPM (TWA)	PROP 65	24.0 (68F)	8
ACETONE	67-64-1	750 PPM (TWA)	750 PPM (TWA)	750 (CAL/TW)	79.8 (68F)	35
PROPANE	74-98-6	1000 PPM	NOT ESTAB	NOT ESTAB	1.6 (32F)	15
ISOBUTANE	75-28-5	NOT ESTAB	NOT ESTAB	NOT ESTAB	45.4 (70F)	15

- INDICATES TOXIC CHEMICAL (S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 AND OF 40 CFR 372.
- THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER REPRODUCTIVE OR DEVELOPMENTAL TOXICITY.

## SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 12 –313F

VAPOR DENSITY: LIGHTER THAN AIR

COATING VOC: DOES NOT EXCEED MAXIMUM 67%

SOLUBILITY IN WATER: INSOLUBLE

APPEARANCE AND ODOR: BLACK LIQUID WITH AROMATIC ODOR

SPECIFIC GRAVITY (H<sub>2</sub>O =1) 0.7

EVAPORATION RATE: SLOWER THAN ETHER

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: -155 F

FLAMMABLE LIMITS IN AIR BY VOLUME:

METHOD USED: TCC

LOWER: 0.9%

UPPER: 13.2%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES: WATER MAY BE USED TO COOL CONTAINERS TO PREVENT PRESSURE BUILD UP AND POSSIBLE AUTO-IGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. SELF CONTAINED RESPIRATORY PROTECTION SHOULD BE USED WHEN FIGHTING A FIRE WHERE THIS PRODUCT IS STORED

UNUSUAL FIRE AND EXPLOSION HAZARDS: ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. DURING EMERGENCY CONDITIONS, OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION

## SECTION V – REACTIVITY DATA

STABILITY: PRODUCT IS STABLE

CONDITIONS TO AVOID: HEAT, SPARKS, OPEN FLAMES, HOT METAL SURFACES

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: TOXIC GASES SUCH AS PHOSGENE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## **SECTION VI – HEALTH HAZARD DATA**

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** EXCESSIVE EXPOSURE TO VAPORS CAN RESULT IN HEADACHE, DIZZINESS, INCOORDINATION, NAUSEA AND LOSS OF CONSCIOUSNESS

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** EXTREME BURNING ON EYE CONTACT. BURNING, REDNESS AND POSSIBLE RASH ON SKIN CONTACT

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** THIS MATERIAL MAY CAUSE DEFATTING AND IRRITATION OF THE SKIN. PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** MAY PRODUCE SIGNS OF INTOXICATION CHARACTERIZED BY INCOORDINATION, DIZZINESS, DROWSINESS, HEADACHE, NAUSEA, MENTAL CONFUSION DEPENDING ON THE QUANTITY OF MATERIAL INGESTED

**HEALTH HAZARDS (ACUTE AND CHRONIC):** REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND CENTRAL NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING VAPORS FROM THIS PRODUCT MAY BE HARMFUL OR FATAL

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

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** KIDNEY DISEASES, RESPIRATORY ILLNESSES, SKIN ALLERGIES

### **EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:** FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO A PHYSICIAN FOR MEDICAL ATTENTION

**SKIN:** WASH AFFECTED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN IF IRRITATION PERSISTS

**INGESTION:** SEEK MEDICAL ATTENTION. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE INDIVIDUAL ON THE LEFT SIDE WITH HEAD DOWN. CONTACT A PHYSICIAN, MEDICAL FACILITY OR POISON CONTROL CENTER FOR ADVICE ABOUT WHETHER TO INDUCE VOMITING

**INHALATION:** REMOVE VICTIM TO FRESH AIR

## **SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** REMOVE ANY SOURCES OF IGNITION. PROVIDE VENTILATION AND / OR SELF –CONTAINED BREATHING APPARTUS. DIKE SPILL, APPLY ABSORBENT MATERIAL. AVOID BREATHING VAPORS. USING NON-SPARKING TOOLS SCRAPE UP AND STORE IN A CLOSED METAL CONTAINER

**WASTE DISPOSAL METHOD:** DISPOSE OF IN APPROVED SITES ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** AVOID TEMPERATURES GREATER THAN 90 (F) OR NEAR HEAT, SPARKS, ELECTRICAL EQUIPMENT OR OPEN FLAMES. DO NOT PUNCTURE OR INCINERATE CONTAINER

**OTHER PRECAUTIONS:** AVOID PROLONGED BREATHING OF VAPORS OR CONTACT WITH SKIN. PREVENT PROLONGED OR REAPEATED BREATHING OFR REPEATED BREATHING OF VAPOR. TO AVOID SPONTANEOUS COMBUSTION DURING TEMPORARY STORAGE, SOAK RAGS AND WASTE IMMEDIATELY AFTER USE, IN A WATER FILLED, CLOSED METAL CONTAINER. USE THIS PRODUCT OUTDOORS IF POSSIBLE. IF YOU MUST USE INDOORS, OPEN ALL WINDOWS AND DOORS OR USE OTHER MEANS TO ASSURE FRESH AIR CIRCULATION DURING APPLICATION. IF PROPERLY USED A RESPIRATOR MAY OFFER ADDITIONAL PROTECTION. OBTAIN PROFESSIONAL ADVICE ON THE PROPER USE OF A RESPIRATOR

## **SECTIONS VIII – CONTROL MEASURES**

**RESPIRATORY PROTECTION:** WEAR A NIOSH APPROVED RESPIRATOT WITH ORGANIC VAPOR AND SOLID PARTICLE FILTER CARTRIDGES

**VENTILATION:** USE ADEQUATE VENTILATION IN VOLUME AND PATTERN TO MAINTAIN EXPOSURE LEVELS BELOW THAT LISTED IN SECTION II

**PROTECTIVE GLOVES:** USE NEOPRENE GLOVES TO PREVENT SKIN CONTACT

**EYE PROTECTION:** USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE

**WORK / HYGIENIC PRACTICES:** WASH HANDS BEFORE EATING, SMOKING OR USING WASH ROOM

## **SECTION IX – DISCLAIMER**

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# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: TEMPROOF STOVE PAINT- BRUSH  
PRODUCT CODE: 620

HMIS CODES: H F R P  
1 2 0

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		OSHA PEL	ACGIH TLV	OTHER		
SILICONE MODIFIED ALKYD	PROPRIETARY	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	20
EXEMPT MINERAL SPIRITS	64742-88-7	500 PPM	100 PPM	NOT ESTAB	2.6 (68F)	10
STODDARD SOLVENT	8052-41-3	100 PPM	100 PPM	100 PPM	3.0 (68F)	55
MANGANESE FERRITE BLACK SPINEL	68186-94-7	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	15

## SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

**BOILING RANGE:** 308 - 396F  
**VAPOR DENSITY:** HEAVIER THAN AIR  
**COATING VOC:** 4.98 LB/GAL (597 G/L)  
**SOLUBILITY IN WATER:** INSOLUBLE  
**APPEARANCE AND ODOR:** BLACK WITH TYPICAL MINERAL SPIRITS ODOR

**SPECIFIC GRAVITY (H<sub>2</sub>O =1) 0.9**  
**EVAPORATION RATE:** SLOWER THAN ETHER

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

**FLASHPOINT:** 104 F  
**FLAMMABLE LIMITS IN AIR BY VOLUME:**

**METHOD USED:** TCC  
**LOWER:** 0.9 % **UPPER:** 7.0%

**EXTINGUISHING MEDIA:** FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG

**SPECIAL FIRE FIGHTING PROCEDURES:** FIREFIGHTERS AND OTHERS EXPOSED TO VAPORS OR PRODUCTS OF COMBUSTION SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAMES. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

## SECTION V – REACTIVITY DATA

**STABILITY:** PRODUCT IS STABLE  
**CONDITIONS TO AVOID:** HEAT, SPARKS, OPEN FLAMES,

**INCOMPATIBILITY (MATERIALS TO AVOID):** STRONG OXIDIZING AGENTS

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** FUMES, SMOKE, CARBON DIOXIDE, CARBON MONOXIDE, ALDEHYDES AND OTHER DECOMPOSITION BY PRODUCTS IN CASE OF INCOMPLETE COMBUSTION.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

## **SECTION VI – HEALTH HAZARD DATA**

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS CAN RESULT IN HEADACHE, DIZZINESS, INCOORDINATION, NAUSEA AND LOSS OF CONSCIOUSNESS

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** THIS MATERIAL MAY BE AN EYE IRRITANT.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** THIS MATERIAL MAY CAUSE DEFATTING AND IRRITATION OF THE SKIN. PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATITIS

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** MAY PRODUCE SIGNS OF INTOXICATION CHARACTERIZED BY INCOORDINATION, DIZZINESS, DROWSINESS, HEADACHE, NAUSEA, MENTAL CONFUSION DEPENDING ON THE QUANTITY OF MATERIAL INGESTED.

**HEALTH HAZARDS (ACUTE AND CHRONIC):** REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND CENTRAL NERVOUS SYDTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING VAPORS FROM THIS PRODUCT MAY BE HARMFUL OR FATAL.

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

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** KIDNEY DISEASES, RESPIRATORY ILLNESSES, SKIN ALLERGIES

### **EMERGENCY AND FIRST AID PROCEDURES:**

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**SKIN:** WASH AFFECTED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

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**WASTE DISPOSAL METHOD:** USING NON SPARKING TOOLS SCRAPE UP AND STORE IN CLOSED METAL CONTAINER. DISPOSE OF IN APPROVED SITES ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** AVOID STORAGE AT TEMPERATURES GREATER THAN 90 DEGREES (F) OR NEAR HEAT, SPARKS, ELECTRICAL EQUIPMENT OR OPEN FLAMES

**OTHER PRECAUTIONS:** AVOID PROLONGED BREATHING OF VAPORS OR CONTACT WITH SKIN. PREVENT PROLONGED OR REPEATED BREATHING OF VAPOR OR SPRAY MIST. TO AVOID SPONTANEOUS COMBUSTION DURING TEMPORARY STORAGE, SOAK RAGS AND WASTE IMMEDIATELY AFTER USE IN A WATER FILLED CLOSED METAL CONTAINER.

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