



# MATERIAL SAFETY DATA SHEET

**SUBJECT : UPS F. 2040  
RED INSULATING VARNISH**

Manufactures by : WESTERS INDUSTRIES, PT  
 Jl. Industri Selatan 10 Blok EE No. 11B Jababeka  
 industrial District **Cikarang – Indonesia**  
 Emergency call : [6221-89841382](tel:6221-89841382)  
 Website : [www.westers-ind.com](http://www.westers-ind.com)  
 Email : [info@westers-ind.com](mailto:info@westers-ind.com)

## I.

INGREDIENTS	CAS# TLV	ACGIH PEL	OSHA LIMIT	OTHER	%
ASTM Type 1 polyurethane		NA	NA		13.5
Xylem	1330-20-7	100 ppm	100 ppm		13.5
Acetone	67-64-1	750 ppm	750 ppm		26
Petroleum Distillate	64742-88-7	NA	400 ppm	100 ppm	1
Iron Oxide pigment		NA	NA		3.5
Isohexanes	107-83-5	500 ppm	500 ppm		13.1
n-Hexane	110-54-3	50 ppm	50 ppm		
1.4					
Propane	74-98-6	NA	1000 ppm		14
Isobutane	75-28-5	NA	NA	1000 ppm	14

## 2. PHYSICAL DATA

without propellant

specific Gravity : 0.845  
 Vapor pressure : ND  
 % Volatile : 82  
 Boilling Point : 141°F  
 Evaporations rate : NA  
 Freezing point : NA  
 Vapor density : >air  
 Appearance and odor : Red – brown liquid, pleasant odor, faintly aromatic.  
 pH : NA  
 solubility : Negligible in water

## 3. FIRE AND EXPLOSION DATA

Flash point : <20°F Method TCC  
 Flammable limits : propellant LEL : 1.8 UEL : 9.5  
 Extinguishing media : foam, CO<sub>2</sub>, dry chemical  
 Unusual hazards : aerosol containers may explode when heated above 120°F



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## 4. REACTIVITY AND STABILITY

stability : stable  
hazardous decomposition product :  
: thermal : carbon monoxide, carbon dioxide  
material to avoid : strong oxidizers.

## 5. PROTECTION INFORMATION.

Ventilation : mechanical ventilation to maintain vapor concentration below TLV  
Respiratory : self contained breathing apparatus above TLV  
Gloves : solvent resistant Eye & Face : safety glasses  
Other protection equipment : Not normally required with aerosol usage.

## 6. HEALTH HAZARD DATA

primary routes of entry : skin, inhalation

Sign and symptoms of exposure

1. Acute Overexposure :  
inhalation : irritation of the respiratory tract, headaches, dizziness, central nervous system depression.  
Skin : mild irritation. Eye : irritation, burning.
2. Chronic overexposure :  
repeated overexposure may cause liver and kidney effect and dermatitis  
medical condition generally aggravated by exposure : breathing problems.

Chemical listed as carcinogen or potential carcinogen.

National toxicology program : No IARC monographs : No. OSHA : No.

Emergency and first aid procedures : (if symptoms persist, call a physician)

1. Inhalation : Remove to fresh air. Apply artificial respiration if necessary.
2. Eyes : Flush with large amount of water for 15 minutes
3. Skin : Wash exposed area with soap and water
4. Ingestion : DO NOT induce vomiting. Call a physician.



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## 7. SPILL OR LEAK PROCEDURES

precaution to be taken in handling and storage : store in a cool, dry area

steps to be taken in case material is released or spilled : Usually not a problem with aerosols. Ventilate area, remove sources of ignition, absorb liquid with inert material and store in closed container.

Waste disposal : All used and unused product should be disposed of in conformance with local, state and federal regulations.

## 8. SPECIAL PRECAUTIONS AND USE DIRECTIONS

propane and isobutane serve as propellant. Pressure = 55 psig @ 70% f.  
aerosol cans may explode if heated above 120° F. solvent vapors are heavier than air and will collect in low areas. Resin contains no free isocyanate.

## 9. NFPA HAZARD RATINGS

health : 2    Flammability : 4    Reactivity : 0

## 10. SARA INFORMATION

this product contains the following chemicals that are subject to release reporting under section 313 of SARA Title III

CHEMICAL	CAS#	PERCENT
Xylene	1330-20-7	13.4
Acetone	67-64-1	26