Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200 Standard must be
consulted for specific requirements.

U.S. DEPARTMENT of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY *(As Used on Label and List)*

Code 81, 81A, 81B, 81Q
Rutland 1200° Stove Paint - Brush-on

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name

RUTLAND PRODUCTS

Address *(Number, Street, City, State, and Zip Code)*

7 CRAB TREE ROAD
JACKSONVILLE, IL 62650

Emergency Telephone Number

CHEMTREC 800-424-9300

Telephone Number Information

217-245-7963

Date Prepared	Date Revised
June 1990	Sept. . 04

Signature of Preparer *(optional)*

Section II - Hazardous Ingredients/Identity Information

Chemical Identity	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% *(optional)*
Methyl Ethyl Ketone	00078-93-3	300 ppm	200 ppm	70 mmHg/20°C	
Aromatic Hydrocarbon	64742-95-6	50 ppm	100 ppm	3 mmHg/20°C	
Toluene	00108-88-3	200 ppm	50 ppm	22 mmHg/20°C	
Xylene	01330-20-7	100 ppm	100 ppm	6 mmHg/20°C	
VM&P Naphtha	64742-89-8	300 ppm	300 ppm	15 mmHg/38°C	
Isobutyl Alcohol	00078-83-1	400 ppm	50 ppm	33 mmHg/20°C	
Mineral Spirits	08052-41-3	100 ppm	100 ppm	2.6mmHg/20°C	
Aluminum Silicate	01332-58-7	Not est.	10 mg/m³		

HMIS Rating - Health: 2 Flammability: 3 Reactivity: 0 MAX VOC 5.64 LBS. PER GAL. (675g/l)

Section III - Physical/Chemical Characteristics

Boiling Point		Specific Gravity (H_2O = 1)	
Boiling Range 175°-383°F			0.872
Vapor Pressure (mm Hg)		Melting Point	
See Above		Not applicable	
Vapor Density (Air = 1)		Evaporation Rate (Butyl Acetate = 1)	
Heavier than air.		Slower than Ether	

Solubility in Water

Insoluble in water.

Appearance and Odor

Black paint. solvent odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
24°F TCC		0.7%	11.4%

Extinguishing Media

Carbon Dioxide, Dry Chemical, water, fog, foam.

Special Fire Fighting Procedures

Self contained breathing apparatus with a full pacepiece--Positive pressure.

Unusual Fire and Explosion Hazards

Vapors are heavier than air and may travel along the ground to be ignited.

The information presented herein is based either on data or opinion. Such data is, to the best of our knowledge, true and accurate. Such opinion is believed to be expert, and therefore generally reliable, but in some instances there are conflicts in expert opinion and in these instances we have relied on the opinion which, in our best judgment, appeared the most reasonable. All information herein is presented without guarantee or warranty and Rutland Products disclaims any liability incurred from the use thereof.

Section V - Reactivity Data

Stability			Conditions to Avoid
	Unstable		
	Stable	X	Strong oxidizing agents

Incompatibility *(Materials to Avoid)*

Strong oxidizing agents.

Hazardous Decomposition or Byproducts

Thermal decomposition yields oxides of carbon.

Hazardous Polymerization	May Occur		Conditions to Avoid
			None
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

Health Hazards *(Acute and Chronic)*

Eyes: can cause severe irritation, redness, tearing, and blurred vision. Skin: prolonged or repeated contact can cause moderate irritation, defatting, dermatitis. Breathing: excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and asphyxiation.

Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

See health hazards.

Medical Conditions Generally Aggravated by Exposure

Swallowing: can cause gastorintestinal irritation, nausea, diarrhea.

Emergency and First Aid Procedures

Eyes: flush with large amounts of water. Skin: thoroughly wash exposed area with soap and water. Breathing: remove to fresh air. Ingestion: Call a physician. Dilute with water. Do not induce vomiting.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Dike and contain spill. Transfer to containers for recovery or disposal.

Waste Disposal Method

Destroy liquid by incineration.

Consult local, state and federal regulations for disposal.

Precautions to Be Taken in Handling and Storing

Empty containers may contain residue. Observe all hazard precautions.

Other Precautions

Do not take internally. Do not get in eyes. Avoid breathing vapors.

Section VIII - Control Measures

Respiratory Protection *(Specify Type)*

NIOSH/MSHA approved air supplied respirator.

Ventilation	Local Exhaust	Special
	Sufficient to keep below TLV.	None
	Mechanical *(General)*	Other
	Sufficient to keep below TLV.	None

Protective Gloves	Eye Protection
Chemical resistant gloves.	Chemical splash goggles.

Other Protective Clothing or Equipment

Chemical resistant apron and boots. Eyewash fountain. Safety shower.

Work/Hygienic Practices

Wash hands or any skin contact with soap and water.

NAME OF PRODUCT: Rutland 1200°F Stove Paint, Brush-or

This product contains the following chemicals subject to the reporting requirements of Section 313 of SARA title III.

CAS Number	Chemical Name	%,WT
1330-20-7	Xylene	5
0108-88-3	Toluene	10
0078-93-3	Methyl Ethyl Ketone	5

NAME OF PRODUCT: Rutland 1200°F Stove Paint, Brush-or

This product contains the following chemicals subject to the reporting requirements of the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA). These Chemicals are also subject to reporting under Section 304 of Title III, SARA.

CAS Number	Chemical Name	%,WT	Reportable Quantity
1330-20-7	Xylene	5	1,000 lbs.
0108-88-3	Toluene	10	1,000 lbs.
0078-93-3	Methyl Ethyl Ketone	5	5,000 lbs.