

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 47,48,49,49Q
ONE MATCH GELLED FIRE STARTER

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

June 1991

Date Revised

Nov., 04

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Chemical Identity	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
2-Propanol	67-63-0	400 ppm	400 ppm		

HMIS Rating - Health: 1 Flammability: 3 Reactivity: 0

Section III - Physical/Chemical Characteristics

Boiling Point	180°F	Specific Gravity (H ₂ O = 1)	0.79
Vapor Pressure (mm Hg)	33 mmHg at 20°F	Melting Point	-128°F
Vapor Density (Air = 1)	2.10	Evaporation Rate (Butyl Acetate = 1)	2.0

Solubility in Water

Miscible

Appearance and Odor

Light blue gel; alcohol smell

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
54°F (TCC)		2	12

Extinguishing Media

Alcohol-type or all-purpose type foam, carbon dioxide, dry chemical, water fog

Special Fire Fighting Procedures

Use water spray to cool fire-exposed containers and disperse vapors.

Unusual Fire and Explosion Hazards

Vapors may be moved by air currents or settle in low spots.

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	Unstable		Conditions to Avoid Avoid excessive heat, open flame ignition sources.
	Stable	X	

Incompatibility (*Materials to Avoid*)

Concentrated nitric and sulfuric acid, caustics, strong oxidizing agents. Aluminum at high temperatures.

Hazardous Decomposition or Byproducts

Burning may produce carbon monoxide and/or carbon dioxide.

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*)

Inhalation: May irritate nose and throat: may cause headache or drowsiness.

Skin: May cause redness with dryness and cracking of the skin.

Ingestion: May cause stomach cramps, nausea, vomiting, diarrhea, drowsiness.

Eyes: May cause irritation, tearing, and inflammation.

Carcinogenicity	NTP?	(ARC Monographs?)	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

Irritation, headache, dizziness.

Medical Conditions Generally Aggravated by Exposures

May aggravate existing dermatitis.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air.

Skin: Remove contaminated clothing and wash skin with soap and water.

Ingestion: Do not induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water. Get medical aid.

Eyes: Flush eyes thoroughly with water for at least 15 minutes.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Extinguish and do not turn on any ignition source until spill is collected and area is washed with water.

Waste Disposal Method

Incinerate in furnace according to local, state, and federal regulations.

Precautions to Be Taken in Handling and Storing

Keep away from heat, sparks, and flame. Avoid eye contact.

Other Precautions

Flammable

Section VIII - Control MeasuresRespiratory Protection (*Specify Type*)

Self contained breathing apparatus in high vapor concentrations.

Ventilation	Local Exhaust	Special
	If vapors are expected to escape to the workplace.	
Protective Gloves	Mechanical (General)	Other
	Satisfactory for most operations	

Protective Gloves	Eye Protection
	goggles.

Other Protective Clothing or Equipment

Eye wash, safety shower

Work/Hygienic Practices

Normal.