

# MATERIAL SAFETY DATA SHEET - 16 Sections

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier ONE MATCH® GELLED FIRE STARTER ITEM 47, 48, 49, 49Q, 49QP			
Product Use STARTING FIRES IN WOOD & PELLET STOVES, CAMPFIRES, FIREPLACES, ETC.			
Manufacturer's Name RUTLAND FIRE CLAY COMPANY		EMERGENCY CONTACT CHEMTREC	
Street Address 7 CRABTREE ROAD		DOMESTIC PHONE NUMBER 800-424-9300	
City JACKSONVILLE	State IL	INTERNATIONAL CONTACT NUMBER 703-527-3887	
Zip code 62650	Emergency Telephone 217-245-7810		
Date MSDS Prepared November 4, 2010	MSDS Prepared By GENE ADDISON		Phone Number 217-245-7810

## SECTION 2 -- COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

Hazardous Ingredients (specific)	%	CAS Number	LD <sub>50</sub> of Ingredient (specify species and route)	LC <sub>50</sub> of Ingredient (specify species)
ETHANOL	TRADE SECRET	64-17-5	ORAL RAT 13.7 g/kg	FATHEAD MINNOW 96 HOUR 15,300 mg/L
ISOPROPNOL	TRADE SECRET	67-63-0	ORAL RAT 5.8 g/kg	FATHEAD MINNOW 96 HOUR 9.6 mg/L

## SECTION 3 -- HAZARD IDENTIFICATION

Route of Entry <input checked="" type="checkbox"/> SKIN CONTACT <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE CONTACT <input type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION
[Emergency Overview] THIS MATERIAL IS HAZARDOUS BY OSHA HAZARD COMMUNICATION DEFINITION
[Potential Health Effects] ROUTES OF ENTRY    INHALATION, INGESTION, SKIN  TARGET ORGANS    EYES, LUNGS  IRRITANCY    MAY IRRITATE NOSE AND THROAT. MAY CAUSE HEADACHE OR DROWSINESS  SENSITIZING CAPABILITY    NONE KNOWN  REPRODUCTIVE EFFECTS    N/D  CANCER INFORMATION    NONE

## SECTION 4 -- FIRST AID MEASURES

Skin Contact	REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER
Eye Contact	FLUSH EYES THOROUGHLY WITH WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION
Inhalation	REMOVE VICTIM TO FRESH AIR
Ingestion	DO NOT INDUCE VOMITING. IF VICTIM IS CONSCIOUS AND ALERT, GIVE 2-4 CUPS OF MILK OR WATER. GET MEDIAL AID

**Product Identifier**

**SECTION 5 -- FIRE FIGHTING MEASURES**

Flammable <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If yes, under what conditions FROM ANY IGNITION SOURCE
Means of Extinction WATER FOG, ALCOHOL OR ALL-PURPOSE FOAM, CARBON DIOXIDE, OR DRY CHEMICAL	
Flashpoint (°F) and Method 54°F (TCC)	
Auto Ignition Temperature (°F) 455°F	
Hazardous Combustion Products CARBON MONOXIDE, CARBON DIOXIDE, HYDROCARBON BY PRODUCTS	

**SECTION 6 -- ACCIDENTAL RELEASE MEASURES**

Environmental Precautions	COLLECT SPILL INTO DRUMS FOR DISPOSAL IN COMPLIANCE WITH ALL FEDERAL, STATE, & LOCAL REGULATIONS KEEP OUT OF WATERWAYS AND SANITARY SEWERS
Cleanup Procedures	WIPE SMALL SPILLS WITH RAGS AND DISPOSE OF IN COMPLIANCE WITH ALL FEDERAL, STATE, & LOCAL REGULATIONS
Personal Protection	FOR VERY LARGE SPILLS, SELF CONTAINED BREATHING APPARATUS MAY BE NECESSARY

**SECTION 7 -- HANDLING AND STORAGE**

Handling Procedures and Equipment	KEEP CONTAINER CLOSED EXCEPT WHEN IN USE, STORE AWAY FROM ALL IGNITION SOURCES
Special Mixing and Handling Instructions	NONE
Storage Requirements	KEEP CONTAINER TIGHTLY CLOSED AND PROPERLY LABELED.

**SECTION 8 -- EXPOSURE CONTROL / PERSONAL PROTECTION**

Exposure Limits	<input checked="" type="checkbox"/> ACGIH TLV 1000 PPM	<input checked="" type="checkbox"/> OSHA PEL 1000 PPM	<input type="checkbox"/> OTHER (Specify)
Specific Engineering Controls (Such as ventilation, enclosed process)			
FOR A LARGE SPILL OPEN ALL DOORS AND VENTILATE TO DISPEL VAPORS KEEP VAPORS AWAY FROM ANY IGNITION SOURCE			
Personal Protective Equipment			
<input checked="" type="checkbox"/> GLOVES	<input type="checkbox"/> RESPIRATOR	<input checked="" type="checkbox"/> EYEWEAR	<input type="checkbox"/> FOOTWEAR <input type="checkbox"/> CLOTHING <input type="checkbox"/> OTHER
If checked, please specify type			
GLOVES	USE LATEX, VINYL, OR RUBBER GLOVES IF SKIN IS SENSITIVE OR UNUSUALLY DRY		
EYEWEAR	WEAR GLASSES OR SAFETY GLASSES WHILE APPLYING PRODUCT		

**Product Identifier**

**SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES**

Physical State GEL	Odor and appearance BLUE GEL WITH MILD ALCOHOL ODOR	Odor Threshold (ppm) N/D
Specific Gravity 0.80	Vapor Density (Air = 1) 1.60	Vapor Pressure (mmHg) 44MM HG @ 20°F
Evaporation Rate (Butyl Acetate=1) 2.7	Boiling Point (°F) 173°F	Freezing Point (°F) N/D
pH 7.1	Coefficient of Water/Oil Distribution N/D	[Solubility in Water] MISCIBLE

**SECTION 10 -- STABILITY AND RELIABILITY**

Chemical Stability <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If no, under which conditions?
Incompatibility with other substances <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	If yes, which ones? CONCENTRATED NITRIC AND SULFURIC ACID, CAUSTICS, STRONG OXIDIZING AGENTS. ALUMINUM AT HIGH TEMPERATURES
Reactivity, and under what conditions? AS DESCRIBED ABOVE	
Hazardous Decomposition Products BURNING MAY CAUSE CARBON MONOXIDE AND CARBON DIOXIDE	

**SECTION 11 -- TOXICOLOGICAL INFORMATION**

Effects of Acute Exposure NONE KNOWN	
Effects of Chronic Exposure NONE KNOWN	
Irritancy of Product NONE TO MILD	
Skin Sensitization NONE KNOWN	Respiratory Sensitization N/D
Cardiogenicity-IARC NONE	Cardiogenicity-ACGIH NONE
Reproductive Toxicity N/D	Teratogenicity NONE
Embryotoxicity N/D	Mutagenicity NONE
Name of Synergistic Products/Effects N/D	

**Product Identifier**

**SECTION 12 -- ECOLOGICAL INFORMATION**

Aquatic Toxicity	LC50/48 HOURS MARINE SHRIMP 1400 mg/L

**SECTION 13 -- DISPOSAL CONSIDERATIONS**

Waste Disposal	DISPOSE OF ALL WASTE IN ACCORD WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS

**SECTION 14 -- TRANSPORT INFORMATION**

Special Shipping Information	
	PIN
TDG UN1170 ETHANOL SOLUTION, 3,II	[DOT] ORM-D
[IMO] UN1170 ETHANOL SOLUTION, 3,II	[ICAO] UN1170 ETHANOL SOLUTION, 3,II

**SECTION 15 -- REGULATORY INFORMATION**

SARA SECTION 302 RQ & TPQ NONE KNOWN	[OSHA] ETHANOL ISOPROPANOL
SARA SECTION 313 NONE KNOWN	[TSCA] ALL INGREDIENTS ON TSCA LIST SIGNIFICANT NEW USE RULE
CLEAN AIR ACT CONTAINS NO HAZARDOUS AIR POLLUTANTS	[TSCA] HEALTH & SAFETY REPORTING LIST NOT ON LIST CHEMICAL TEST RULES NOT UNDER RULES
CLEAN WATER ACT NOT LISTED AS PRIORITY OR TOXIC POLLUTANT	SECTION 12b NOT LISTED
STATE RIGHT TO KNOW LISTS NOT ON ANY STATE LIST	CERCLA NOT REPORTABLE
EUROPEAN /INTERNATIONAL REGULATIONS HAZARDOUS LABELING IN ACCORDANCE WITH EC DIRECTIVES HAZARD SYMBOLS RISK PHRASES SAFETY PHRASES	NON HAZARDOUS

**SECTION 16 -- OTHER INFORMATION**

<p>THE ABOVE INFORMATION IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS, TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO EVENT SHALL RUTLAND FIRE CLAY COMPANY BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF RUTLAND HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.</p>	
<p>HMIS Rating Health : 0 Flammability : 3 Reactivity : 0</p>	<p>NFPA Rating Health : 0 Flammability : 3 Reactivity : 0</p>