

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		EMERGENCY DOMESTIC PHONE NUMBER 800-424-9300	
City JACKSONVILLE	State IL	EMERGENCY INTERNATIONAL CONTACT NUMBER 703-527-3887	
Zip code 62650			
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 (<i>specific</i>)	%	CAS Number	LD ₅₀ of Ingredient (<i>specify species and route</i>)	LC ₅₀ of Ingredient (<i>specify species</i>)
ETHANOL	TRADE SECRET	64-17-5	ORAL RAT 13.7 g/kg	FATHEAD MINNOW 96 HOUR 15,300 mg/L
ISOPROPANOL	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 SUFURIC 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
Carcinogenicity-IARC NONE	Carcinogenicity-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 CLEAN WATER ACT NOT LISTED AS PRIORITY OR TOXIC POLLUTANT	[TSCA] HEALTH & SAFETY REPORTING LIST NOT ON LIST CHEMICAL TEST RULES NOT UNDER RULES SECTION 12b NOT LISTED
STATE RIGHT TO KNOW LISTS NOT ON ANY STATE LIST EUROPEAN /INTERNATIONAL REGULATIONS HAZARDOUS LABELING IN ACCORDANCE WITH EC DIRECTIVES HAZARD SYMBOLS RISK PHRASES SAFETY PHRASES	CERCLA NOT REPORTABLE 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>