

# MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION		
Identity (Proper Shipping Name) <b>LIGHTERS</b>		CHEMTEL 24-HOUR EMERGENCY TELEPHONE NUMBER NA TOLL FREE: 1-800-255-3924 International: 01-813-248-0585
TRADE NAME: SCRIPTO AIM 'N FLAME, AIM 'N FLAME II, DECOFLEX, DECOLITE, VIEWS, TINYLITE, MINI-MATCH, DNA, SPECTRA, MIGHTY MATCH, ELECTRONIC, TURBO, MEGA, CALICO, JEWELTONES, HOTSHOT, HOTSHOT2.		
GENERAL USE: CIGARETTE LIGHTERS AND MULTI-PURPOSE UTILITY LIGHTERS		
MANUFACTURED FOR: <b>CALICO BRANDS, INC.</b>		Telephone Number for Information (Customer Service) 1-909-930-5000
2055 S. HAVEN AVENUE ONTARIO, CA 91761		Safety Data Review Date: March 10, 2011
SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION		
Hazardous Components:	CAS#	%
PROPANE	74-98-6	10.0% (+/-) 5%
BUTANE	106-97-8	90.0% (+/-) 5%
TVL	100.0%	800 PPM
This product is defined by OSHA in 29 CFR 1910.1200 as a flammable gas. Use of this product may require compliance with 29 CFR 1910.119, process safety management of highly hazardous chemicals.		
SECTION 3 - HAZARDS IDENTIFICATION		
Lighters do not present as a health hazard. However, when gas is released in large amount, inhalation of vapor may cause dizziness or asphyxiation without warning. It can cause headaches, unconsciousness, and nausea.		
SKIN: Contact with gas or liquified gas may cause burns, severe injury and/or frostbite. Handling precaution required.		
EYES: Eye exposure can cause severe irritation, redness, tearing and blurred vision.		
INGESTION: Aspiration hazard		
CARCINOGENICITY: NTP? No; IARC MONOGRAPHS? No; OSHA REGULATED: No; CALIFORNIA, Prop65? No		
SECTION 4 - FIRST AID MEASURES		
INHALATION: Move victim to fresh air. Call 911 or emergency medical service. Give artificial respiration if victim has stopped breathing. Administer oxygen if breathing is difficult. Remove and isolate contaminated clothing and shoes.		
EYES: Immediately flush eyes with water for at least 15 minutes. Consult physician immediately.		
SKIN: In case of contact with liquified gas, thaw frosted parts with lukewarm water. Do not remove clothing if adhering to skin. In case of burns, immediately cool affected skin as long as possible with cold water.		
INGESTION: Do not induce vomiting unless directed to do by physical. Get immediate medical attention.		
SECTION 5 - FIRE FIGHTING MEASURES		
GENERAL HAZARDS: EXTREMELY FLAMMABLE.		
Flash Point: -94 F FLAMMABLE LIMITS: LEL: 1.8% UEL: 8.8%		
EXTINGUISHING MEDIA:		
Carbon Dioxide. Dry Chemical or Water Spray		
SPECIAL FIRE FIGHTING PROCEDURES:		
Wear NIOSH/MSHA approved SCBA & full protective equipment. Do not extinguish a leaking gas fire unless leak can be stopped. Small Fire: Use Dry Chemical or CO, Large Fire: Use water spray or fog. Move containers from fire area if you can do it without risk. Evacuate personnel.		
Unusual Fire and Explosion Hazards: Vapors may travel to source of ignition and flash back. Cylinders exposed to fire may vent and release flammable gas through pressure relief devices. Containers may explode when heated.		
SECTION 6 - ACCIDENTAL RELEASE MEASURES		
STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:		
Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Use water spray to reduce vapors or divert vapor cloud drift. Prevent spreading of vapors through sewers, ventilation systems and confined areas. Isolate area until gas has dispersed.		
SECTION 7 - HANDLING AND STORAGE		
Do not expose to high temperatures. Store in cool well ventilated area. Pack in approved tested shippers.		
Do not puncture or incinerate containers. Follow all instructions and warnings provided on the packaging.		

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION	
EXPOSURE LIMITS:	
BUTANE:	800 ppm (1900mg/m3) OSHA TWA 800 ppm (1900mg/m3) NIOSH recommended TWA 10 hour(s)
PROPANE:	1000 ppm (1800 mg/m3) OSHA TWA 1000 ppm ACGIH TWA 1000 ppm (1800 mg/m3) NIOSH TWA 10 hours
PERSONAL PROTECTION:	
Respiratory Protection: Any supplied air respirator. Any self-contained breathing apparatus with full facepiece.	
Hand Protection: Wear insulated gloves	
Eye Protection: Faceshield or goggles. Provide emergency eye wash fountain.	
Other Protective Clothing or Equipment: Wear protective, insulating clothing.	
Ventilation equipment should be explosion resistant. Continuous ventilation.	
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
APPEARANCE AND ODOR: Clear, colorless with faint diagreable gas odor.	
Boiling Point: 31°F Vapor Pressure @ 68°F = 299kpag Vapor Density (air=1) 2	
Specific Gravity: (H2O = 1) 0.56 (Liquid)	
Percent Volatile by Volume (%) = 100%	
Insoluble in Water Physical State (as shipped) Liquid compressed gas	
Flash Point: -94°F Flammable Limits: LEL: 1.8% UEL: 8.8%	
SECTION 10 - STABILITY AND REACTIVITY	
STABILITY: Stable at normal temperatures and conditions.	
CONSIONS TO AVOID: High temperature, heat or open flame.	
INCOMPATIBILITY: Explosives and oxidizing materials	
HAZARDOUS DECOMPOSITION: Carbon Dioxide and water	
Hazardous Polymerization will not occur.	
SECTION 11 - TOXICOLOGICAL INFORMATION	
Relatively non-toxic. No toxilogical information is available for this product	
SECTION 12 - ECOLOGICAL INFORMATION	
No ecological data specific to this product is available at this time.	
SECTION 13 - DISPOSAL CONSIDERATIONS	
Empty lighters may be disposed properly at a hazmat disposal company.	
SECTION 14 - TRANSPORT INFORMATION	
Lighters and Multi-purpose utility lighter: Proper Shipping Name: LIGHTERS	
USDOT/IMO/IATA - Regulated RQ-Not Applicable	
Hazard Class/Division: 2.1 Identification Number: UN 1057	
Label Codes: 2.1 /Flammable Gas Authorization: Please see shipping paper.	
NOTIFICATION: The hazardous materials contained in this shipment have been packaged to meet all requirements including final closure in accordance with the USDOT 49-CFR Parts 173.22 and 178.2. If a distributor is to re-ship the hazardous materials contained in this shipment, the hazardous materials must be shipped in its original form as shipped by Calico Brands, Inc. The hazardous materials and their inner and outer packaging must be tightly packed and secured against any movement. The outer carton must be completely closed and sealed with packing tape. The markings on the outer carton must NOT be defaced and covered by any labels or other markings.	
SECTION 15 - REGULATORY INFORMATION	
OSHA (29CFR1910.119) Not Regulated SARA Title III 302 & 304 Not Regulated	
SARA Title III 311/312 Fire: Yes; Chronic: No; Reactive: No	
Extremely Flammable Contents under Pressure. Keep out of reach of children.	
SECTION 16 - OTHER INFORMATION	
MSDS Prepared By: Calico Brands, Inc. Website: www.calicobrand.com	