



Material Safety Data Sheet

Section 1—CHEMICAL PRODUCT AND COMPANY INFORMATION	
Motorvac Technologies Inc. 1324 Blundell Road, Mississauga, ON Canada L4Y1M5 Tel (905) 615-8620 (For inquiries only)	Product Part #: 400-1054
	Product Name: Cool Smoke Fluid
	Emergency Telephone #: CHEMTREC (24 hours) 1-800-424-9300 (US only) or (703) 527-3877 outside US
	Date Effective: 01/11/2011

Section 2—COMPOSITION / INFORMATION ON INGREDIENTS					
Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS NUMBER	OSHA TWA	ACGIH TWA	Other Limits	% (optional)
Highly refined mineral oil blend	Mixture	5 mg/m ³	5 mg/m ³	As mist oil in air 5 mg/m ³	<99.5
Colorant	Mixture	N/A	N/A	N/A	0.10-0.45

Section 3—HAZARDS IDENTIFICATION		
Potential Health Effects:	EYE	Not known to be an eye irritant. <u>As with any petroleum base product</u> , reasonable caution should be taken to avoid prolonged and repeated exposure to the base product. Overexposure to eyes may cause irritation.
	SKIN	Not known to be a skin irritant. No harmful effects from skin absorption have been reported. <u>As with any petroleum base product</u> , reasonable caution should be taken to avoid prolonged and repeated exposure to the base product. Overexposure to skin and eyes may cause irritation.
	INHALATION	No harmful effects reported
	INGESTION	No harmful effects reported from ingestion, <u>As with any petroleum base product</u> , reasonable caution should be taken to avoid prolonged and repeated exposure to the base product. Overexposure to through ingestion may cause irritation.
Primary Route(s) of Entry: Skin contact, skin absorption, inhalation, ingestion, eye contact.		

Section 4—FIRST AID MEASURES	
Eye:	Flush eyes with clean water for 15 minutes or until irritation subsides. If irritation persists, consult a physician.
Skin Contact:	First aid is not normally required. However, it is good practice to wash any chemical from the skin. Wash affected skin area with soap and warm water.
Inhalation:	Inhalation at ambient temperatures is not commonly a problem. If overcome by excessive exposure to vapors, you should remove from exposure to well ventilated area. Some people may experience dizziness, drowsiness or nausea. If symptoms persist, consult a physician. It is always a good measure of precaution to avoid excessive inhalation of byproduct
Ingestion:	If ingested, the precaution is to call a or seek medical attention. Do not induce vomiting.



Section 5—FIRE FIGHTING MEASURES	
Flash Point (Method Used):	
> 200°F / 93.3 °C- Cleveland Open Cup (COC), ASTM D92	
Flammable Limits	LEL (lower explosion limit):
	UEL (upper explosion limit):
ND	
Autoignition Temperature:	
ND	
Extinguishing Media:	
Dry chemical, carbon dioxide, foam, or water spray is recommended	
Special Fire Fighting Procedures:	
<p>For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8).</p> <p>Isolate immediate hazard area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Move undamaged containers from immediate hazard area if it can be done with minimal risk.</p> <p>Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Cool equipment exposed to fire with water, if it can be done with minimal risk. Avoid spreading burning liquid with water used for cooling purposes</p>	
Unusual Fire and Explosion Hazards:	
This material may burn, but will not ignite readily. Vapors are heavier than air and can accumulate in low areas. If container is not properly cooled, it can rupture in the heat of a fire.	

Section 6—ACCIDENTAL RELEASE MEASURES	
Spill or Leak Procedures:	
<p>STEPS TO BE TAKEN IN CASE MATERIAL IS ACCIDENTALLY SPILLED: Recover liquid, wash remainder with suitable petroleum solvent or add absorbent. As with all petroleum products, keep out of sewers and water courses. Advise authorities if ever any petroleum product has entered or may enter sewers or water courses.</p> <p>WASTE DISPOSAL METHOD: Assure conformity with applicable local disposal regulations.</p>	

Section 7—HANDLING AND STORAGE	
Handling:	Wash thoroughly after handling.
Storage:	<p>Storage: Keep container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat and all sources of ignition. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage.</p>

Section 8—EXPOSURE CONTROLS/PERSONAL PROTECTION	
Engineering:	If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits (see Section 2), additional engineering controls may be required.
Respiratory Protection:	A NIOSH certified air purifying respirator with a Type 95 (R or P) particulate filter may be used under conditions where airborne concentrations are expected to exceed exposure limits (see



	<p>Section 2).</p> <p>Protection provided by air purifying respirators is limited (see manufacturer's respirator selection guide). Use a NIOSH approved self-contained breathing apparatus (SCBA) or equivalent operated in a pressure demand or other positive pressure mode if there is potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.</p> <p>A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.</p>
Skin Protection:	Not required based on the hazards of the material. However, it is considered good practice to wear gloves when handling chemicals.
Eye Protection:	Wear safety glasses with side shields (or goggles) and a face shield.
Other Protection:	A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.
Hygienic Practices:	Wash hands before eating. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residue. Avoid prolonged or repeated contact with skin. Avoid breathing vapors from heated material. Avoid contact with eyes, skin and clothing.

Section 9—PHYSICAL / CHEMICAL PROPERTIES			
Physical State:	Liquid	Freezing Point:	N/A
Appearance:	Yellow	Odor Threshold:	ND
Odor:	Mineral oil odor	Boiling Point °F (°C)	N/A
Specific Gravity(H₂O=1):	0.83	Vapor Density (AIR=1):	Is heavier than air
pH:	N/A	Vapor Pressure (mm Hg):	< 0.1
Viscosity	N/A	Viscosity	N/A
Solubility in Water	Negligible	Evaporation Rate: (nBuAc=1):	<1

Section 10—STABILITY AND REACTIVITY	
Chemical Stability:	Stable under normal storage conditions
Incompatibility:	Strong acids, alkalis, oxidizers and amines
Hazardous Decomposition Products:	Combustion can yield carbon dioxide, carbon monoxide, and other oxides.
Hazardous Polymerization:	Will not occur under normal conditions
Condition to Avoid	Avoid high temperatures and all sources of ignition (see Sections 5 and 7).

Section 11—TOXICOLOGICAL INFORMATION	
Product LD50: 5 g/kg	Product LC50 No data
Chronic data: : No definitive information available on carcinogenicity, mutagenicity, target organ, or developmental toxicity	

Section 12—ECOLOGICAL INFORMATION	
Not available.	



Section 13—DISPOSAL CONSIDERATIONS

Dispose in accordance with all federal, state and local regulations.

Section 14—TRANSPORTATION INFORMATION

DOT proper shipping name: not regulated per 173.150, Not considered as dangerous goods , not regulated as per TDG

Section 15—REGULATORY INFORMATION

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

SARA Section 313: This material contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:
--None Known--

Canadian WHMIS Class: D2B toxic material

Section 16 – OTHER INFORMATION

HMIS Ratings:

Health: 0

Flammability: 1

Reactivity: 0

Legend:

N/A – Not Available

NE – Not established

ND – Not determined

Disclaimer: While the information and recommendations set forth herein are believed to be accurate as of the date thereof, Uview Ultraviolet Systems Inc., makes no warranty with respect thereto, and disclaims all liability from reliance therein.

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