

CAM2 INTERNATIONAL, LLC MATERIAL SAFETY DATA SHEET

CAM2 International, LLC

P.O. Box 1119
 Evergreen, CO 80437
 Tel: 800-338-2262
 MSDS on-line: www.CAM2International.com

CAM2 D/M ATF

MSDS No: 309
 Ver. No: 2
 Ver. Date: 10/1/2007

24-HOUR EMERGENCY NUMBERS:
 PERS 1-800-633-8253
 INT'L PERS 1-801-629-0667
CUSTOMER SERVICE:
 800-338-2262

National Fire Protection Association

HMIS Rating

Protective Equipment:

0	Health	Health	0
1	Flammability	Flammability	1
0	Reactivity	Reactivity	0
0	Special	Special	0



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: CAM2 D/M ATF

Product Code: 309

Chemical Name: Automatic Transmission Fluid

Chemical Family: Blend

Manufacturer: CAM2 International, LLC P.O. Box 1119, Evergreen, CO 80437, Phone (800) 338-2262
 (Hours of operation: Mon-Fri 7:00am-5:00pm MST)

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

EXPOSURE GUIDELINES		OSHA			ACGIH		
Component/CAS Number	LO%	HI%	TWA	STEL	TWA	STEL	UNIT
Limits for the Product			5		5		MG/M3
ALIPHATIC PETROLEUM DISTILLATES							
64742-65-0	73.0	83.0	5		5		MG/M3
ALKYL DIPHENYLAMINE							
27177-41-9	0.00	1.00			NO SPECIFIC LIMIT		
POLYBUTENE							
9003-29-6	0.0	1.0			NO SPECIFIC LIMIT		
ADDITIONAL EXPOSURE LIMITS-----				GOVERNMENT REGULATION			
OTHER LIMIT – OIL MIST: 5MG/M3		OSHA PEL/ACGIH TLV					

SECTION 3 – HAZARDOUS IDENTIFICATION (HMIS)

Health: 1
Flammability: 1
Reactivity: 0
Special: 0
0 = minimal 1= slight 2=moderate 3= serious 4= severe

HMIS

H # 0

F # 1

R # 0

PPE†

†Sec. 8

EMERGENCY OVERVIEW
MAY CAUSE SKIN IRRITATION

APPEARANCE: RED FLUID

ODOR: SLIGHT ODOR

POTENTIAL HEALTH EFFECTS:

INHALATION: NO EFFECTS EXPECTED.

INGESTION: SWALLOWING SMALL AMOUNTS OF THIS MATERIAL DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS.

EYE CONTACT: UNLIKELY TO CAUSE EYE IRRITATION OR INJURY.

SKIN CONTACT: PROLONGED OR REPEATED CONTACT MAY DRY AND CRACK THE SKIN.

ADDITIONAL SYMPTOMS OF SKIN CONTACT MAY INCLUDE: ACNE, PASSAGE OF THIS MATERIAL INTO THE BODY THROUGH THE SKIN IS POSSIBLE, BUT IT IS UNLIKELY THAT THIS WOULD RESULT IN HARMFUL EFFECTS DURING SAFE HANDLING AND USE.

MODERATE IRRITATION WITH PROLONGED OR REPEATED CONTACT..

CARCINOGEN LISTED BY: IARC(NO)

NTP(NO)

OSHA9(NO) ACGIH(NO)

OTHER(NO)

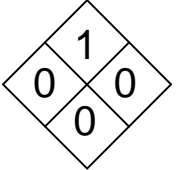
SECTION 4 – FIRST AID MEASURES

Emergency and First Aid Procedures:	Eye contact:	If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.
	Skin contact:	First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.
	Ingestion:	Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth: place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.
	Inhalation:	If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet: seek immediate medical attention.

Note to Physicians: Treat symptomatically

Special Precautions/Procedures: None known

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media:	Water spray, dry chemical, carbon dioxide (CO ₂), foam.		
Flash Point:	383 °F Minimum, 195 °C Minimum	NFPA	
Flash Point Method:	350 °F Minimum COC; 177 °C Minimum COC		
Auto Ignition Temperature:	675 °F (Estimated) 359 °C (Estimated)		
Flammable (Explosive) Limits (% by volume in air):	Not established		
Flammability Classification:	Not Flammable		
Fire-Fighting Instructions;	Water or foam may cause frothing which can be violent and possibly endanger the life of the firefighter. Water may be used to keep fire-exposed containers cool until fire is out.		
Extinguishing Media:	Regular foam, carbon dioxide, dry chemical		
Fire-Fighting Equipment:	Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant protective clothing.		
Hazardous Combustion Products:	Normal combustion forms carbon dioxide and water vapor; incomplete combustion can produce carbon monoxide.		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures:	Recover usable material by convenient method; residual may be removed by wipe or wet mop
Small Spills:	Small spills should be absorbed with a suitable inert material (sand, earth, clay, etc.). Remove the absorbed material and place in an appropriate chemical waste container for disposal.
Large Spills:	For large spills, dike and pump into suitable containers. Clean up residual with suitable inert material..
Containment:	For large spills, dike far ahead of liquid spill for later disposal.
Regulatory Requirements:	Follow applicable Federal, State and Local regulations.

SECTION 7 – HANDLING AND STORAGE

Precautionary Measures:	Keep out of reach of children.
Static Hazard:	Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient.
Handling:	Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. All five gallon pails and larger metal containers including tank cars and tank trucks should be grounded and/or bonded when material is transferred. Avoid prolonged or repeated contact.

Storage Requirements: NFPA Class IIIB Storage. Do not store near extreme heat, open flame, or sources of ignition.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

General Considerations: Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances when designing engineering controls suitable for the workplace.

Engineering Controls: Use in a well ventilated area.

Protective Clothing/Equipment:



Skin: Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Eye/Face: Not required under normal conditions of use. However, if misting or splashing conditions exist, then safety glasses or chemical splash goggles are advised.

Respiratory Protection: No respiratory protection is normally needed. If workplace exposure limit (s) of product or any component is exceeded (See Exposure Guidelines), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (consult your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

Work and Hygienic Practices: Wash or rinse hands before touching eyes or contact lenses, and before eating.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:	RED FLUID/PETROLEUM ODOR
Evaporation Rate:	1000X Slower (ETHYL ETHER=1)
Boiling Point:	High
Vapor Pressure:	<0.0001 (MM HG @ 20°C)
Pour Point, °C:	-34 (Estimated)
Specific Gravity (water =1):	0.875 (Estimated)
API Gravity:	31.0 (Estimated)
Viscosity @ 100 °C, cSt:	6.9 – 8.0 CST @ 100°C
Viscosity @ 40 °C, cSt:	29.0 – 42.6 CST @ 40°C
Vapor Density (Air =1):	10+ (Air = 1)
Solubility:	Soluble in hydrocarbons; almost completely insoluble in water
Molecular Weight:	N/A (G/MOLE)
Melting Point:	N/A
Viscosity:	55.1 SUS @ 210°F 54.5 CST @ 40°C
Packing Density:	N/A
Octanol / Water Coeff.:	N.D.
Odor Threshold:	N.D.
Vapor Density:	10+ (Air = 1)

SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur.
Materials to Avoid:	Strong oxidizing agents.
Conditions to Avoid:	None known.
Incompatibility:	Avoid contact with: strong oxidizing agents.
Hazardous Decomposition:	May form: carbon dioxide and carbon monoxide, various hydrocarbons.

SECTION 11 – TOXICOLOGICAL INFORMATION

FOR THE PRODUCT –

No data.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	No Data Available.
Environmental Fate:	This material is not expected to be readily biodegradable.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal method:	Do not flush to drain/sewer. Contact an authorized disposal service. Disposal should be in accordance with all applicable federal, state and local laws and regulations.
Container Cleaning and Disposal:	Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT Shipping Name:	Non-Hazardous Petroleum Lubricating Oil
Shipping Symbols:	Not Regulated
Hazard Class:	Not Regulated
DOT Identification No.:	Not Regulated
Packing Group:	Not Regulated
Label:	Not Regulated
Packaging Authorizations:	Not Regulated
Quantity Limitations:	None

SECTION 15 – REGULATORY INFORMATION

TSCA: This material is in compliance with the TOXIC SUBSTANCES CONTROL ACT (15 USC 2601 -2629) and is listed in the TSCA Inventory.

SARA 302 THRESHOLD PLANNING QUANTITY,	N/A	
SARA 304 REPORTABLE QUANTITY	N/A	
SARA 311/312 REPORTING:	Health	Immediate (Acute) No
	Health	Delayed (Chronic) No
	Physical	Fire No
	Physical	Sudden Release of Pressure No
	Physical	Reactive No

When a product and/or component is listed below, the regulatory list on which it appears is indicated. ZINC

DIALKYL DITHIOPHOSPHATE – NJ 01

01=SARA 313	02= SARA 302/304	03=IARC CARCINOGEN
04=OSHA CARCINOGEN	05=ACGIH CARCINOGEN	06=NTP CARCINOGEN
07=CERCLA 302.4	08=WHMIS CONTROLLED PROD.	
10=OTHER CARCINOGEN		
PA=PA RTK	NJ=NEW JERSEY RTK	CA=CALIFORNIA PROP 65
MA=MASS. RTK	MI-MICHIGAN 406	MN=MINNESOTA RTK
FL=FLORIDA	RI=RHODE ISLAND	IL=ILLINOIS
NY=NEW YORK	WV=WEST VIRGINIA	CT=CONNECTICUT
LA=LOUISIANA	ME=MAINE	OH=OHIO

SECTION 16 – OTHER INFORMATION

Prepared By: CAM2 International, LLC

Disclaimer: THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH AND FROM SOURCES WE BELIEVE RELIABLE. BUT NO WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS IS MADE.

The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not apply.

CONSULT CAM2 INTERNATIONAL, LLC FOR FURTHER INFORMATION.