

MATERIAL SAFETY DATA SHEET

MSDS File Number: 1221

SECTION I - MATERIAL IDENTIFICATION AND USE			FLAMMABILITY	1	
Material Name / Product Identifier SONIC ATF			REACTIVITY	0	
Manufacturer's Name CHS Inc. P.O.Box 64089 - Mail station 525 St. Paul, MN 55164-0089 (651) 355-8438		Supplier's Name Federated Co-operatives Limited P.O. Box 1050; 401 - 22nd Street East Saskatoon, SK S7K 3M9 CANADA (306) 244-3447		HEALTH (Acute)	1
Emergency Telephone Number (800) 424-9300 (Chemtrec)		Emergency Telephone Number (613) 996-6666 (Canutec)		(Chronic)	N
Chemical Name Lubricating Oil		Chemical Family Hydrocarbon		Mfg Reference Number 1243-D2X0-Rev.A.	
Molecular Weight N.D.	Trade Name and Synonyms SONIC ATF DEXRON III/MERCON; SONIC ATF DEX III	Material Use Automatic transmission fluid.			

SECTION II - HAZARDOUS INGREDIENTS OF MATERIALS

Hazardous Ingredients	Approximate Concentration %	C.A.S. Numbers	Exposure Limits	LD50 / LC 50 (Species and Route)
Oil, Solvent neutral	85.0 - 90.0 %	64742-65-0	(ACGIH) TLV-TWA 5 mg/m3 (Oil Mist)	
Performance additives	Proprietary			

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State Liquid	Odour and Appearance Red or yellow colour; Mild odour.	Odour Threshold (ppm) N.D.	Specific Gravity 0.8500 - 0.8800
Vapour Pressure <1 mm Hg @ 20	Vapor Density (Air = 1) > 1	Evaporation Rate <1 (ether=1)	Boiling Point N.D.
Solubility in Water (20 C) Insoluble.	% Volatiles N.D.	pH N.D.	Coefficient of water / oil distribution N.D.

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

Conditions of Flammability May form combustible mixtures with air at temperatures at or above the flashpoint.			
Means of Extinction Foam, dry chemical or water spray (fog). Water may cause splattering. Material floats on water.			
Special Procedures Fire fighters should wear self contained breathing apparatus and full protective clothing. Cool fire exposed containers with water spray. Water or foam may cause frothing. Due to danger of slop over, avoid getting water into container. Move containers away from fire area if without risk. Vapours may travel to distant ignition sources and flashback.			
Flash Point and Method >193 C (Closed Cup)	Upper Explosion Limit N/A	Lower Explosion Limit N/A	Auto Ignition Temperature > 260.0 C
Explosion Data - Sensitivity to Mechanical Impact N.D.		Explosion Data - Sensitivity to Static Discharge N.D.	

SECTION V - REACTIVITY DATA

Chemical Stability Yes.	If no, under which conditions?	Stable under normal conditions of use, storage and at room temperature and pressure. Avoid all ignition sources and high temperatures. 45 C maximum for storing, and 80C maximum for handling.
Incompatibility to other substances Yes.	If so, which ones?	Acids, oxidizing agents.
Reactivity and under what conditions Hazardous polymerization will not occur.		
Hazardous Decomposition and Combustion Products Smoke, carbon monoxide, aldehydes, hydrogen sulfide and alkyl mercaptans may be released. Under combustion conditions, oxides of the following elements will be formed: magnesium, calcium, nitrogen, sulfur, carbon.		



Material Name / Product Identifier **SONIC ATF**

SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry **Skin Contact, Eye Contact, Inhalation, Ingestion.**

Effects of Acute Exposure to Product

Eyes: Contact with eyes may cause irritation. **Skin:** Contact with skin may cause irritation. **Inhalation:** May cause irritation of the nose and throat. **Ingestion:** May cause nausea and vomiting. Large quantities may effect the central nervous system.

Effects of Chronic Exposure to Product

Repeated or prolonged contact with skin from clothing wet with this material may cause skin irritation and/or dermatitis.

LD50 of Product N.D.	Irritancy of Product Yes.	Exposure Limits of Product See 'Hazardous Ingredients'.
LC50 of Product N.D.	Sensitization to Product N.D.	Synergistic materials N.D.

OTHER TOXICOLOGICAL EFFECTS: None.

This product is not listed as a carcinogen by the NTP, IARC or OSHA.

SECTION VII - PREVENTATIVE MEASURES

Personal Protective Equipment

Wear chemical resistant clothing if prolonged skin contact is likely. (apron, boots).

Gloves Nitrile gloves.	Eye Protection Safety glasses with side shields or chemical goggles.
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Respiratory
Not normally required if used with adequate ventilation. Wear an appropriate NIOSH approved respirator with organic vapor cartridges if concentration levels exceed the safe exposure limits. SCBA is recommended for entry into confined spaces or other poorly ventilated areas and for large spill clean-up sites.

Engineering Controls

Ventilate to control mists and vapors below exposure limits.

Leak and Spill Procedure

Remove ignition sources. Avoid contact with eyes and skin. Contain (prevent entry into waterways). Ventilate area. Wear protective equipment as necessary including rubber boots. Pump up using an explosion proof pump. Absorb residue on inert absorbent material.

Waste Disposal

Recycle, dispose of or incinerate product and/or contaminated material in accordance with all government regulations. Take the necessary action to prevent or remedy the adverse effects of any spill.

Handling Procedures and Equipment

Avoid contact with eyes. Wear chemical goggles if splashing is likely. Avoid prolonged contact with skin. Wear chemical resistant clothing if prolonged skin contact is likely. Avoid breathing vapours. Use with adequate ventilation. Wash thoroughly after handling. Launder contaminated clothing before reuse. Keep away from heat and ignition sources. Empty container may contain product residue which may exhibit hazards of product. Handling temperatures should not exceed 80 C.

Storage Requirements

Store container in a cool, ventilated area, out of direct sunlight and away from all ignition sources. Keep container closed when not in use. Do not store at temperatures over 45 C.

Special Shipping Information

TDG: Not Regulated.

SECTION VIII - FIRST AID MEASURES

Skin

Remove contaminated clothing. Wash skin with soap and running water. If irritation persists or develops, seek medical attention. Launder contaminated clothing before reuse.

Eye

Flush eyes with running water for at least 15 minutes while occasionally holding eyelids open to ensure thorough flushing. If irritation persists or develops, seek medical attention.

Inhalation

Remove to fresh air. Keep warm and at rest. If breathing is difficult, give oxygen. Seek medical attention.

Ingestion

DO NOT INDUCE VOMITING! Seek medical attention.

General Advice

If spontaneous vomiting occurs, have victim lean forward so that their head is between their knees. Vomiting may result in aspiration into the lungs causing chemical pneumonitis.

SECTION IX - PREPARATION OF M.S.D.S

W.H.M.I.S. Classification Not a controlled product.	N.F.C. Classification
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Sources Used

CHS Inc. (this MSDS is on file and is available for your viewing).

Prepared By CCRL Safety Department	Phone Number (306) 721-0564	Date April 1, 2008
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