

Fleetguard  
FLUID

AEROSOL SPRAY STARTING

INITIAL MSDS DATE: 01/05/96

NOTE TO

PHYSICIAN: Treat for clinical symptoms. All

UPDATED: 04/01/98

treatments should be based on observed signs and symptoms

MSDS: LT16601

of

distress in the patient. Ethyl ether is a depressant

PREPARED BY: Fleetguard, Inc.

of

the CNS and is capable of producing intoxication,

-----  
drowsiness, stupor, and unconsciousness. Death due to

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION  
respiratory failure may result from severe and continued

-----  
exposure.

PRODUCT CODE: CC2542

-----  
PRODUCT NAME: Aerosol Spray Starting Fluid

5. FIRE FIGHTING MEASURES

MANUFACTURER: FLEETGUARD, INC.

-----  
1200 FLEETGUARD ROAD

FLAMMABLE PROPERTIES:

COOKEVILLE, TENNESSEE 38506

FLASH

POINT: -49 deg F

GENERAL INFORMATION PHONE: (931) 526-9551

METHOD: TCC

24-HOUR EMERGENCY PHONE: CHEMTREC (800) 279-5325

FLAMMABLE LIMITS:

-----  
EXPLOSIVE LIMIT: 1.8%

LOWER

2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

UPPER

EXPLOSIVE LIMIT: 48.0%

-----  
AUTOIGNITION TEMPERATURE: Information not available.

Component Exposure Limits

HAZARDOUS COMBUSTION PRODUCTS: Avoid possible bursting of

-----  
aerosol can. Avoid inadvertent ignition sources including

Diethyl ether OSHA PEL: 400 ppm

static spark. If product vapor is allowed to accumulate

CAS#: 60-29-7 OSHA PEL: 1200 mg/m3

in

air, a dangerous fire and explosion hazard exists.

% by Wt.: 55.8% ACGIH TLV: 400 ppm (TWA)

EXTINGUISHING AGENTS: To fight fires, use CO2, dry

ACGIH TLV: 1210 mg/m3 (TWA)

chemical, foam. This product has a very low flashpoint.

ACGIH TLV: 500 ppm (STEL/CEILING)

Use

of water spray when fighting fire may be inefficient.

ACGIH TLV: 1520 mg/m3 (STEL/CEILING)

FIRE

FIGHTING INSTRUCTIONS: Wear positive pressure self-

Heptane OSHA PEL: 500 ppm

contained breathing apparatus (SCBA) and structural

CAS#: 142-82-5 OSHA PEL: 2000 mg/m3

firefighters' protective clothing to provide limited

% by Wt.: 37.2% ACGIH TLV: 400 ppm (TWA)  
protection. Avoid possible accumulations of flammable  
ACGIH TLV: 1640 mg/m3 (TWA)  
vapors at floor level; vapor is heavier than air.  
ACGIH TLV: 500 ppm (STEL/CEILING) -----

-----  
ACGIH TLV: 2050 mg/m3 (STEL/CEILING)  
6. ACCIDENTAL RELEASE MEASURES  
Carbon dioxide OSHA PEL: 5000 ppm -----

-----  
CAS#: 124-38-9 OSHA PEL: 9000 mg/m3 SMALL  
SPILL: Soak up spills with an industrial absorbent  
% by Wt.: 6% ACGIH TLV: 5000 ppm (TWA) and  
place material into a suitable container. Wear  
ACGIH TLV: 9000 mg/m3 (TWA)

protective clothing.  
ACGIH TLV: 30,000 ppm (STEL/CEILING) LARGE  
SPILL: Soak up spills with an industrial absorbent  
ACGIH TLV: 54,000 mg/m3 (STEL/CEILING) and  
place material into a suitable container. Spills on  
Upper cylinder OSHA PEL: N/A other  
than pavement (e.g. soil or sand) may be handled by  
lubricant ACGIH TLV: Not Established  
removing the effected soil and placing it in approved  
containers. For more information, call Chemtrec at (800)  
CAS#: Unknown  
% by Wt.: 1% 424-  
9300. -----

-----  
3. HAZARDS IDENTIFICATION  
7. HANDLING AND STORAGE -----

-----  
EMERGENCY OVERVIEW:  
HANDLING: Wash thoroughly after handling. Wear protective  
CAUTION: THIS IS A CLEAR LIQUID CONTAINED IN AN AEROSOL  
clothing, gloves, and eye protection. Avoid breathing  
CAN. THIS PRODUCT IS EXTREMELY FLAMMABLE AND SHOULD BE  
vapors. Avoid breathing mist. Remove contaminated  
KEPT AWAY FROM ALL IGNITION SOURCES. INGESTION IS  
clothing and wash before reuse.  
CAPABLE OF PRODUCING INTOXICATION, DROWSINESS, STUPOR,  
STORAGE: Do not store where temperatures may exceed  
AND UNCONSCIOUSNESS. 120  
deg F. Do not puncture or incinerate. DO NOT FREEZE.  
POTENTIAL HEALTH EFFECTS: Keep  
away from oxidizers.  
EYE: An eye irritant. -----

-----  
SKIN: prolonged contact may result in skin irritation.  
8. EXPOSURE CONTROLS/PERSONAL PROTECTION -----  
INGESTION: Human poison by ingestion. -----

-----  
INHALATION: Inhalation of spray is toxic.  
ENGINEERING CONTROLS: Use adequate mechanical ventilation.

CHRONIC (Cancer) INFORMATION: Information not available.  
 RESPIRATORY PROTECTION: If OSHA PEL or ACGIH TLV is  
 TERATOLOGY (Birth Defect) INFORMATION: Information not  
 exceeded, wear NIOSH approved self-contained breathing  
 apparatus or respirator.  
 REPRODUCTION INFORMATION: Information not available. SKIN  
 PROTECTION: If dispensing, wear protective clothing,  
 -----  
 sleeves, and impervious gloves.  
 4. FIRST AID MEASURES EYE  
 PROTECTION: Use chemical goggles or a face shield.  
 -----  
 -----  
 EYES: Immediately flush with plenty of water. After initial  
 9. PHYSICAL AND CHEMICAL PROPERTIES -----  
 flushing, remove any contact lenses and continue flushing  
 -----  
 for at least 15 minutes while holding eyelids apart. Get BOILING  
 POINT (@ 760 mmHg): 95 deg F (for Ether)  
 medical attention. VAPOR  
 PRESSURE (mmHg): 537 mmHg (for Ether) VAPOR  
 SKIN: Immediately wash skin with soap and plenty of water. VAPOR  
 DENSITY (Air = 1): Approx. 2.5 (for Ether)  
 Get medical attention if irritation develops or persists.  
 SOLUBILITY IN WATER (% WGT.): Slight  
 Remove and discard contaminated clothing and shoes.  
 SPECIFIC GRAVITY OF CONCENTRATE: 0.71  
 INGESTION: Toxic by ingestion. Never give anything by mouth pH: N/A  
 to an unconscious person. Get medical attention  
 APPEARANCE: Clear liquid.  
 immediately.  
 VOLATILE ORGANIC COMPOUNDS (VOC): Unknown  
 INHALATION: Remove effected persons to fresh air. Get  
 medical attention immediately.  
 -----  
 -----  
 10. STABILITY AND REACTIVITY  
 16. OTHER INFORMATION -----  
 -----  
 CHEMICAL STABILITY: Unstable explosive peroxides may be  
 Disclaimer of Liability: The information contained herein  
 formed and concentrated by evaporation to hazardous is  
 based on the data available to us and, is to the best of our  
 levels. This process is intensified by prolonged exposure  
 knowledge and belief, accurate. However, since the  
 to air and light. Generally stable in sealed metal  
 conditions of handling and use are beyond our control, we  
 containers. assume  
 no liability for damages incurred by use of this  
 INCOMPATIBILITY: Avoid heat, sparks, flame, strong  
 material. Although certain hazards are described herein, we  
 oxidizers. cannot  
 guarantee that these are the only hazards which may

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide may form	exist.
Users of this product should satisfy themselves that	
on combustion.	the
conditions and methods of use assure the product is	
HAZARDOUS POLYMERIZATION: Will not occur.	used
safely. No representations or warranties, either	
-----	
expressed or implied, or any nature are made hereunder with	
11. TOXICOLOGICAL INFORMATION	respect
to the information contained herein. It is the	
-----	
responsibility of the user to comply with any and all	
EYE: An eye irritant.	
federal, state, or local laws and regulations which may	
SKIN: Prolonged contact may result in skin irritation.	exist.
Nothing contained herein is to be construed as a	
INGESTION: Human poison by ingestion.	
recommendation for use in violation of any applicable laws	
INHALATION: Inhalation of spray is toxic.	or
regulations.	
SUBCHRONIC: Information not available.	-----
-----	
CHRONIC/CARCINOGENICITY: Information not available.	Consult
Fleetguard Inc. for further information.	
TERATOLOGY: Information not available.	-----
-----	
REPRODUCTION: Information not available.	
DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES: although	
MUTAGENICITY: Information not available.	
preparer and owner have taken reasonable care in the	
-----	
preparation of this document, we extend no warranties and	
12. ECOLOGICAL INFORMATION	make no
representation as to the accuracy or completeness	
-----	
information contained herein, and assume no	of the
ECOTOXICOLOGICAL INFORMATION: Information not available.	
responsibility regarding the suitability of this	
CHEMICAL FATE INFORMATION: Information not available.	
information for the user's intended purposes or for the	
-----	
consequences of its use. Each user should make a	
13. DISPOSAL CONSIDERATIONS	
determination as to the suitability of the information for	their
-----	
particular purpose(s). A request has been made to the	
Dispose in accordance with applicable federal, state, and	
manufacturer to approve the contents of this material	
local laws. Contact local or state agencies to obtain	safety
data sheet. Upon receipt of any changes a new MSDS	
information on recycling.	will be
made available.	-----
-----	
-----	
14. TRANSPORT INFORMATION (Not meant to be all inclusive):	COMPAS
Code: 24530040	
-----	

DOT SHIPPING DESCRIPTION: Aerosols, Flammable, (each not exceeding 1L capacity), 2.1, UN1950 (Diethyl Ether, Heptane, Carbon Dioxide)

---

15. REGULATORY INFORMATION

---

U.S. FEDERAL REGULATIONS:

EPA REGULATIONS: This is a USEPA hazardous waste (Waste No. D001 - Ignitability and U117)

OSHA REGULATIONS: This product contains OSHA regulated hazardous substances (please reference Section 2).

SECTION 313: This product does not contain substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Information not available.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): Information not available.

EINECS: Information not available.

STATE REGULATIONS: Consult state regulatory agencies to determine specific regulations which might apply to this product.