

# Material Safety Data Sheet

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## SECTION I - Material Identity

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Item Name..... ADDITIVE, COOLANT  
Part Number/Trade Name..... FLEETGUARD DCA LIQUID;DCA  
40L;DCL-45 L  
National Stock Number..... 6850012346121  
CAGE Code..... 33457  
Part Number Indicator..... A  
MSDS Number..... 141165  
HAZ Code..... B

## SECTION II - Manufacturer's Information

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Manufacturer Name..... FLEETGUARD INC  
P.O. Box..... 39  
Street..... RT 8  
City..... COOKEVILLE  
State..... TN  
Country..... US  
Zip Code..... 38501-9808  
Emergency Phone..... 615-526-9551  
Information Phone..... 615-526-9551

## MSDS Preparer's Information

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MSDS Preparer Name..... N/K  
Date MSDS Prepared/Revised..... 15SEP89  
Date of Technical Review..... 27APR91  
Active Indicator..... N  
Item Manager..... CX

## Alternate Vendors

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Vendor #5 CAGE..... BGRCH

## SECTION III - Physical/Chemical Characteristics

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Hazard Storage Compatibility Code..... N1-L1  
NRC License Number..... N/R  
Net Propellant Weight (Ammo)..... N/R

Appearance/Odor..... BLUE LIQUID; ODOR-UNKNOWN  
Boiling Point..... >212F/>100C  
Melting Point..... 2F/-16.7C  
Vapor Pressure..... N/R  
Vapor Density..... N/R  
Specific Gravity..... 1.23  
Decomposition Temperature..... UNKNOWN  
Evaporation Rate..... N/K  
Solubility in Water..... COMPLETE  
Percent Volatiles by Volume..... N/R  
Chemical pH..... 11.6  
Corrosion Rate..... UNKNOWN  
Container Type..... F  
Container Pressure Code..... 4  
Temperature Code..... 8  
Product State Code..... U

#### **SECTION IV - Fire and Explosion Hazard Data**

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Flash Point Method..... UNK  
Lower Explosion Limit..... N/R  
Upper Explosion Limit..... N/R  
Extinguishing Media..... USE MEDIA APPROPRIATE FOR  
SURROUNDING FIRE.  
Special Fire Fighting Procedures..... WEAR FIRE FIGHTING PROTECTIVE  
EQUIPMENT AND A FULL FACED SELF  
CONTAINED BREATHING APPARATUS.  
EVACUATE AREA. COOL FIRE  
EXPOSED CONTAINERS WITH WATER  
SPRAY.  
Unusual Fire/Explosion Hazards..... COMBUSTION OR HEAT OF FIRE MAY  
PRODUCE HAZARDOUS DECOMPOSITION  
PRODUCTS AND VAPORS.

#### **SECTION V - Reactivity Data**

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Stability..... YES  
Stability Conditions to Avoid..... MFR CITES NONE;  
Materials to Avoid..... MFR CITES: NOT APPLICABLE  
Hazardous Decomposition Products..... NOT SPECIFIED  
Hazardous Polymerization..... NO  
Polymerization Conditions to Avoid..... N/K  
LD50 - LD50 Mixture..... N/K

#### **SECTION VI - Health Hazard Data**

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Route of Entry: Skin..... YES  
Route of Entry: Ingestion..... YES  
Route of Entry: Inhalation..... YES  
Health Hazards - Acute and Chronic..... ACUTE:IRRITATION OF  
EYES,SKIN,RESPIRATORY OR  
G,I.TRACT; ALKALINE SALTS.DON  
TAKE INTERNALLY  
Carcinogenity: NTP..... NO  
Carcinogenity: IARC..... NO  
Carcinogenity: OSHA..... NO  
Explanation of Carcinogenity..... DATA PER MGF MSDS.  
Symptoms of Overexposure..... SEE HEALTH HAZARDS DATA.  
Medical Cond. Aggrevated by Exposure.... PRE-EXISTING CONDITIONS MAY BE  
WORSEN.  
Emergency/First Aid Procedures..... EYES AND SKIN:FLUSH WITH LARGE  
AMOUNT OF WATER FOR ABOUT 15-20  
MINUTES;SEEK MEDICAL ATTENTION  
IMMEDIATELY.INHALATION:REMOVE  
TO FRESH AIR;CALL A  
PHYSICIAN.INGESTION:SEEK  
MEDICAL ATTENTION IMMEDIATELY.

## SECTION VII - Precautions for Safe Handling and Use

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Steps if Material Released/Spilled..... WEAR APPROPRIATE PROTECTIVE  
CLOTHING. USE INDUSTRIAL  
ABSORBENT, BURY OR BURN. IF  
LARGE AMOUNT IS SPILLED,COLLECT  
FOR CHEMICAL SCAVENGER SERVICE.  
FLUSH RESIDUE IN AREA W/WATER.  
Neutralizing Agent..... N/R  
Waste Disposal Method..... CONSULT LOCAL  
AUTHORITIES;DISPOSAL MUST BE IN  
ACCORDANCE WITH LOCAL,STATE AND  
FEDERAL REGULATIONS  
Handling and Storage Precautions..... RE IN COOL-DRY LOCATION. STORE  
ABOVE FREEZE POINT WHICH IS:  
2F/-16.7C PR  
Other Precautions..... PRODUCT IS FOR INDUSTRIAL USE  
ONLY]

## SECTION VIII - Control Measures

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Respiratory Protection..... MFR STATES: NOT APPLICABLE;  
RECOMMEND A DUST, MIST & FUME  
RESPIRATOR UNDER NECESSARY  
CONDITIONS.  
Ventilation..... MECHANICAL (GENERAL/LOCAL  
EXHAUST)  
Protective Gloves..... IMPERVIOUS

Eye Protection..... SAFETY GLASSES/GOGGLES  
Other Protective Equipment..... PROTECTIVE CLOTHINGS.EYE-WASH  
FACILITIES,SAFETY SHOWER.  
Work Hygenic Practices..... AVOID CONTACT WITH EYES AND  
SKIN;DO NOT BREATHE  
VAPORS/MIST/DUST.WASH  
THOROUGHLY AFTER EACH USE;DO  
NOT EAT,DRINK,SMOKE .  
Disposal Code..... 0

## SECTION IX - Label Data

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Protect Eye..... YES  
Protect Skin..... YES  
Protect Respiratory..... YES  
Chronic Indicator..... UNKNOWN  
Contact Code..... SLIGHT  
Fire Code..... UNKNOWN  
Health Code..... UNKNOWN  
React Code..... UNKNOWN

## SECTION X - Transportation Data

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Container Quantity..... 5  
Unit of Measure..... GL

## SECTION XI - Site Specific/Reporting Information

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Volatile Organic Compounds (P/G)..... 0  
Volatile Organic Compounds (G/L)..... 0

## SECTION XII - Ingredients/Identity Information

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Ingredient #..... 01  
Ingredient Name..... WATER  
CAS Number..... 7732185  
NIOSH Number..... ZC0110000  
Proprietary..... NO  
Percent..... 75-85  
OSHA PEL..... NOT ESTABLISHED  
ACGIH TLV..... NOT ESTABLISHED  
Recommended Limit..... NONE SPECIFIED  
Ingredient #..... 02  
Ingredient Name..... SODIUM TETRABORATE, DECAHYDRATE  
CAS Number..... 1303964  
NIOSH Number..... VZ2275000



NIOSH Number..... 1000093DY  
Proprietary..... NO  
Percent..... 0.3-1.0  
OSHA PEL..... NOT ESTABLISHED  
ACGIH TLV..... NOT ESTABLISHED  
Recommended Limit..... NONE SPECIFIED

**NOTICE: For additional information, contact BIOENVIRONMENTAL**

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