

Material Safety Data Sheet

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SECTION I - Material Identity

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

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

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

Alternate Vendors

Vendor #5 CAGE..... BGRCH

SECTION III - Physical/Chemical Characteristics

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

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

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

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

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

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

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

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

SECTION XI - Site Specific/Reporting Information

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

SECTION XII - Ingredients/Identity Information

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

Proprietary.....	NO
Percent.....	5-12
OSHA PEL.....	10 MG/M3
ACGIH TLV.....	5 MG/M3; 9192
Recommended Limit.....	NONE SPECIFIED
Ingredient #.....	03
Ingredient Name.....	SODIUM NITRATE
CAS Number.....	7631994
NIOSH Number.....	WC5600000
Proprietary.....	NO
Percent.....	2-5
OSHA PEL.....	NOT ESTABLISHED
ACGIH TLV.....	NOT ESTABLISHED
Recommended Limit.....	NONE SPECIFIED
Ingredient #.....	04
Ingredient Name.....	SODIUM NITRITE (SARA III)
CAS Number.....	7632000
NIOSH Number.....	RA1225000
Proprietary.....	NO
Percent.....	2-5
OSHA PEL.....	NOT ESTABLISHED
ACGIH TLV.....	NOT ESTABLISHED
Recommended Limit.....	NONE SPECIFIED
Ingredient #.....	05
Ingredient Name.....	SODIUM METASILICATE
CAS Number.....	6834920
NIOSH Number.....	VV9275000
Proprietary.....	NO
Percent.....	2-5
OSHA PEL.....	NOT ESTABLISHED
ACGIH TLV.....	NOT ESTABLISHED
Recommended Limit.....	NONE SPECIFIED
Ingredient #.....	06
Ingredient Name.....	MERCAPTOBENZOTHIAZOLE
CAS Number.....	149304
NIOSH Number.....	1000641ME
Proprietary.....	NO
Percent.....	0.5-3.0
OSHA PEL.....	NOT ESTABLISHED
ACGIH TLV.....	NOT ESTABLISHED
Recommended Limit.....	NONE SPECIFIED
Ingredient #.....	07
Ingredient Name.....	DYES DEFOAMERS AND SCALE INHIBITORS
CAS Number.....	N/K

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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