

BARNES GROUP INC BOWMAN DISTRIBUTION DIV -- WINDSHIELD WASHER CONCENTRATE --  
6850-00-926-2275

===== Product Identification =====

Product ID:WINDSHIELD WASHER CONCENTRATE

MSDS Date:09/13/1988

FSC:6850

NIIN:00-926-2275

MSDS Number: BJPTL

=== Responsible Party ===

Company Name:BARNES GROUP INC BOWMAN DISTRIBUTION DIV

Address:850 E 72ND ST

Box:6908

City:CLEVELAND

State:OH

ZIP:44101

Country:US

Emergen

cy Phone Num:216-391-7200

CAGE:05573

=== Contractor Identification ===

Company Name:BOWMAN DISTRIBUTION, BARNES GROUP INC

Address:1301 EAST 9TH ST, SUITE 700

Box:City:CLEVELAND

State:OH

ZIP:44114-1824

Country:US

Phone:216-416-7200

CAGE:05573

===== Composition/Information on Ingredients =====

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 95%

Other REC Limits:NONE SPECIFIED

OSHA PEL:S,200PPM/250STEL

ACGIH TLV:S,200PPM/250STEL; 9

3

EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ETHANOLAMINE  
CAS:141-43-5  
RTECS #:KJ5775000  
Fraction by Wt: 2%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:3 PPM/6 STEL  
ACGIH TLV:3 PPM/6 STEL; 9192

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:MAY BE FATAL OR HARMFUL IF SWALLOWED.  
MAY CAUSE BLINDNESS IF SWALLOWED. HARMFUL  
IF INHALED. REPEATED  
CONTACT WITH SKIN CAN CAUSE IRRITATION.  
Effects of Overexposure:DIZZINESS IF INHALED, REDNESS OF SKIN AFTER  
PROLONGED CONTACT.

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First Aid Measures  
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First Aid:IF INGESTED INDUCE VOMITING, IF INHALED REMOVE TO FRESH AIR.  
IN CASE OF EYE CONTACT FLUSH WITH WATER FOR 15 MIN. CALL PHYSICIAN  
IMMEDIATELY.

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Fire Fighting Measures  
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Flash Point Method:TCC  
Flash Point:53.0F,1  
1.7C  
Lower Limits:6.7  
Upper Limits:36  
Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL  
Fire Fighting Procedures:USE WATER SPRAY TO COOL TANKS OR CONTAINERS.  
Unusual Fire/Explosion Hazard:RATED 1B FLAME IS INVISIBLE IN DAYLIGHT.  
MIXTURES WITH 25% OR MORE OF CONCENTRATE ARE FLAMMABLE.

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Accidental Release Measures  
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Spill Release Procedures:DIKE SPILL, SOAK UP WITH ABSORBENT MATERIAL.  
LARGE SPILLS-REMOVE ALL SOURCES OF IGNITION.

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==== Handling and Storage =====

Handling and Storage Precautions:KEEP FROM HEAT, SPARKS AND OPEN FLAMES.

Other Precautions:NONE

==== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE IN CONSUMER PACKAGING.

Ventilation:NORMAL LOCAL EXHAUST VENTILATION.

Protective Gloves:NONE IN CONSUMER PACKAGING.

Eye Protection:NONE IN CONSUMER PACKAGING.

Other Protective Equipment:IN CASE OF LARGE SPILL, USE APPLICABLE SAFETY EQUIPMENT.

Work

Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

NONE

==== Physical/Chemical Properties =====

HCC:F2

Boiling Pt:=63.9C, 147.F

Vapor Pres:138F

Vapor Density:1.1

Spec Gravity:0.793

pH:10.7

Evaporation Rate & Reference:3.5

Solubility in Water:COMPLETE

Appearance and Odor:BLUE COLOR, ALCOHOL ODOR.

Percent Volatiles by Volume:98

==== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:

YES

STRONG OXIDIZERS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:CARBON MONOXIDE

==== Disposal Considerations =====

Waste Disposal Methods:INCINERATION.

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