

VAN BEN INDUSTRIES INC. -- FUEL, COMPRESSED, TRIOXANE, RATION HEATING --
9110-00-263-9865

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

Product ID:FUEL, COMPRESSED, TRIOXANE, RATION HEATING

MSDS Date:10/05/1992

FSC:9110

NIIN:00-263-9865

MSDS Number: BPBVG

=== Responsible Party ===

Company Name:VAN BEN INDUSTRIES INC.

Address:530 MAIN STREET (REAR)

Box:330

City:CLINTON

State:MA

ZIP:01510

Country:US

Info Phon

e Num:508-368-8145

Emergency Phone Num:508-368-8145

Preparer's Name:JOHN E. GORMAN.

CAGE:3Z202

=== Contractor Identification ===

Company Name:VAN BEN INDUSTRIES INC.

Address:530 MAIN STREET (REAR)

Box:330

City:CLINTON

State:MA

ZIP:01510

Country:US

Phone:508-368-8145/MICHAEL MARONI

CAGE:3Z202

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

Ingred Name:1,3,5-TRIOXANE

CAS:110-88-3

RTECS #:YK0350000

Fraction by Wt: 95%

Other REC Limits:NONE RECOMMENDED

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Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ESSENTIALLY NON-IRRITATING TO SKIN AND
NON-SENSITIZING. CONSIDERED PRACTICALLY NON-TOXIC BY INHALATION AND
INGESTION.
Explanation of Carcinogenicity:NOT LISTED AS A CARCINOGENIC BY NTP,
IARC NOR OSHA.
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE S
PECIFIED BY MANUFACTURER.

===== First Aid Measures =====

First Aid:EYE: FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN &
SEEK MEDICAL ATTENTION. SKIN: WASH SUBSTANCE FROM SKIN WITH MILD
SOAP & WATER; IF IRRITATED, SEEK MEDICAL ATTENTION. INGESTION: GIVE
TWO GLAS SES OF WATER TO DILUTE, SEEK MEDICAL ATTENTION. INHLATION:
REMOVE FROM CONTAMINATED AREA & SEEK MEDICAL ATTENTION.

===== Fire Fighting Measures =====
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Flash Point Method:OC
Flash Point:113F,45C
Lower Limits:3.6%
Upper Limits:29.0%
Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL
POWDER.
Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS AND
PERSONAL PROTECTIVE EQUIPMENT MAY BE NEEDED FOR LARGE FIRES.
Unusual Fire/Explosion Hazard:CONSIDERED A MODERATE FIRE RISK. BURNS
WITH COLORLESS FLAME.

===== Accidental Release Measures =====

Spill Release Procedures:AVOID SP
RAKS, OPEN FLAMES, OR ANY OTHER
SOURCES OF IGNITION. AVOID CONTACT WITH STRONG ACIDS OR OXIDIZING
MATERIALS.

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

Handling and Storage Precautions:STORE IN A COOL DRY PLACE. KEEP AWAY
FROM SPARKS AND OPEN FLAMES.
Other Precautions:NONE.

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

Respiratory Protection:USE NIOSH APPROVED CARTRIDGE OR CANNISTER
RESPIRATOR IF VENTILATION IS INADEQUATE, AND WI

THIN USE LIMITATIONS

OF DEVICE. OTHERWISE, USE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:USE LOCAL EXHAUST WHEN APPROPRIATE TO CONTROL EMPLOYEE EXPOSURE. IN MOST SITUATIONS, USE DILUTION OR GENERAL VENTILATION.

Protective Gloves:RUBBER OR NEOPRENE GLOVES.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:NONE.

Work Hygienic Practices:WASH THOROUGHLY AFTER EACH USE.

Supplemental Safety and Health

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

HCC:F8

Bo

iling Pt:B.P. Text:238F,114C

Melt/Freeze Pt:M.P/F.P Text:142F,61C

Vapor Pres:10.0 MMHG

Vapor Density:1.0-1.2

Spec Gravity:1.17 @65C

Solubility in Water:17.2 % @18C

Appearance and Odor:BLUE CRYSTALLS WITH PLESANTS ETHER-LIKE ODOR.

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

STRONG MINERAL ACIDS AND STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:CONTACT WITH STRONG MINERAL ACIDS OR STRO

NG OXIDIZING AGENTS.

Hazardous Decomposition Products:CARBON MONOXIDE, FORMALDEHYDE, PARAFORMALDEHYDE, CARBON DIOXIDE.

Conditions to Avoid Polymerization:CONTACT WITH LEWIS ACIDS.

===== Disposal Considerations =====

Waste Disposal Methods:INCINERATE IN CHEMICAL INCINERATOR, IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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