

## **REAGENT SPEEDY MOISTURE TESTER, 131945**

### **MSDS Number**

BSBZV

### **National Stock Number**

6635-00N044483

### **Product Name**

REAGENT SPEEDY MOISTURE TESTER, 131945

### **Manufacturer**

IFS IND INC

### **Product Identification**

Product ID: REAGENT SPEEDY MOISTURE TESTER, 131945

MSDS Date: 03/10/1993

FSC: 6635

NIIN: 00N044483

MSDS Number: BSBZV

### **Responsible Party**

IFS IND INC

400 ORRTON AVE

READING , PA 19603

US

Emergency Phone: 215-378-1381

Info Phone: 215-378-1381

Cage: IFSIN

### **Contractor**

IFS IND INC

READING, PA 19603

US

215-378-1381

Cage: IFSIN

### **Ingredients**

THIS PRACTICE GENERATES DUST.

RTECS: 9999999ZZ

CAC\*2. PLEASE OBTAIN & READ CAREFULLY BEFORE

RTECS: 9999999ZZ

SPARKS/OPEN FLAMES AWAY FROM OPEN CONTAINERS.

RTECS: 9999999ZZ

USE OF A SCARF AROUND NECK IN HOT WEATHER

RTECS: 9999999ZZ

ALSO BE USEFUL IN PREVENTING SKIN IRRITATION.

RTECS: 9999999ZZ

FORMED. ACETYLENE IS LTR/AIR W/A WIDE EXPLOSIVE

RTECS: 9999999ZZ

LOW IGNITION TEMP.

RTECS: 9999999ZZ

CALCIUM CARBIDE

CAS: 75-20-7

RTECS: EV9400000

Fraction By Weight: 68%

OSHA PELN/K

ACGIH TLV: N/K

EPA Report Quantity: 10 LBS

DOT Report Quantity: 10 LBS

CALCIUM OXIDE

CAS: 1305-78-8

RTECS: EW3100000

Fraction By Weight: 25%

OSHA PEL5 MG/M3

ACGIH TLV: 2 MG/M3

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: DRY POWDER REACTS WITH BODY MOISTURE TO FORM ALKALI WHICH IRRITATES SKIN, EYES, AND RESPIRATORY PASSAGES. CHRONIC: OVEREXPOSURE SYMPTOMS ARE SIMILAR AND LARGER IN SCALE. DRY POWDER AND LUMP MAT ERIAL HAVE A LOW ORDER OF TOX.

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:IRRITATION OF SKIN, EYES AND RESPIRATORY PASSAGES.

Medical Cond Aggravated by Exposure:NOT KNOWN.

## First Aid

First Aid:IF SYMPS OF OVEREXP DEVELOP, ALWAYS SEEK IMMED MED ATTN.

INHAL: REMOVE FROM DUSTY AREA TO FRESH AIR. EYE: FLUSH W/WATER FOR AT LEAST 15 MINUTES TO ENSURE THAT NO MATERIAL REMAINS IN EYE.

SKIN: WASH WI TH SOAP AND WATER. TREAT IRRITANT AS YOU WOULD A

BURN. INGEST: SEEK IMMED MED ATTN.

## Fire Fighting

Extinguishing Media:AN ACETYLENE FIRE FROM WET CAC\*2 SHOULD NOT BE EXTINGUISHED. ACETYLENE MAY CONTINUE TO GENERATE & BECOME (SUPP DATA)

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . MORE WATER WILL GENERATE ACETYLENE. IF POSS, CNTN FIRE & ALLOW TO BURN OUT.

Unusual Fire/Explosion Hazard:CNTN FIRE & ALLOW TO BURN ITSELF OUT.

COMBUSTIBILITY: NONE, AS LONG, AS SOURCES OF WATER ARE EXCLUDED.  
NOTE: WHEN EXPOSED TO AIR/WATER, ACETYLENE IS (ING 8)

## Accidental Release

Spill Release Procedures: CAC\*2 FINES-IF MATL REMAINS DRY, TRANSFER FROM LEAKING CONTRS TO A CLEAN, DRY, CONTR. IF CAC\*2 IS DIRTY/DAMP, TAKE IT OUT DOORS, SCATTER ON GROUND IN A ISOLATED AREA, & FLOOD W/WATER. CAC\*2 LUMP-MAKE SURE MATL IS DRY, THEN REPACK IN A CLEAN (SUPDAT)

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions: CAC\*2 CAN BE STORED OUTDOORS, UNDER COVER, IN FULL, UNOPENED, WELL SCALED METAL CONTRS. LBLG: FLAMM SOLID & DANGEROUS WHEN WET.

Other Precautions: ADEQ VENT SHOULD BE PROVIDED TO STOR BLDGS & BINS WHERE EXPOSED MATL IS STORED. THIS PVNTS ACCUM OF ACETYLENE. FREQ PERIODIC EXAM OF DRUMS SHOULD BE MADE TO CHECK FOR EXCESS RUSTING. THERE IS A BROCHU RE AVAIL OUTLINING HNDLG OF (ING 4)

## Exposure Controls

Respiratory Protection: IN DUSTY AREAS, USE NIOSH/MSHA APPROVED SCHEDULE 21B RESPIRATOR.

Ventilation: RECOMMENDED. LOCAL EXHAUST: FOR DUSTY AREAS..

Protective Gloves: COTTON, VINYL.

Eye Protection: SAFETY GOGGLES.

Other Protective Equipment: GLOVES SHOULD BE USED WHEN HNDLG LUMP MATL. AVOID CONTAM OF CLTHG W/CAC\*2. BUTTON WORK CLOTHES @ WRIST & NECK. (ING 6)

Work Hygienic Practices: WASH SKIN AND CLOTHING WITH SOAP AND WATER AFTER USE.

Supplemental Safety and Health

EXTING MEDIA: CONFINED. ONCE CONFINED, ACETYLENE WILL EXPLODE IF IGNITED. DO NOT USE ANY WATER ON CAC\*2-ACETYLENE FIRE. HAZ DECOMP: GROUNDING OF CAC\*2 CONTRS TO PVNT STATIC ELEC DICHARGE IS RECOM. COP PER GROUND STRAPS/CABLES SHOULD NOT BE USED. SPILL PROC: DRY CONTR. AVOID USE OF COMPRESSED AIR FOR CLEAN-UP AS (ING 3)

## Chemical Properties

HCC: R2

Melt/Freeze Pt: M.P/F.P Text: 3497F, 1925C

Spec Gravity: 2.2

Solubility in Water: DECOMPOSES IN WATER

Appearance and Odor: GREY TO BLUISH BLACK. ODOR ON EXPOSURE TO AIR RESEMBLES GARLIC

## Stability

Stability Indicator/Materials to Avoid: YES

MOISTURE. CAC\*2 REACTS W/WATER TO FORM ACETYLENE.

Stability Condition to Avoid: MOISTURE EITHER IN AIR, IN OTHER MOIST MATLS, OR IN WATER SOLN. VENT SHOULD BE SUPPLIED TO STORAGE AREAS.

Hazardous Decomposition Products: ACETYLENE IS A HIGHLY EXPLOS & FLAMM GAS. HYDRATE LIME, ACETYLENE & HEAT ARE GENERATED DURING RXN W/WATER. (SUPP DATA)

## Disposal

Waste Disposal Methods: (ALWAYS CONSULT FED, ST, REGIONAL, & LOC REGS PERTAINING TO MATL BEFORE USING ANY METH SUGGESTED HERE): CAC\*2 FINES-HNDLE AS YOU WOULD A SPILL/LEAK. CAC\*2 IS AN EPA HAZ WASTE; DISPOSE OF ACCDG TO APPL IC FED, ST/LOC RULES. CONSULT LOC WASTEDISP PROF.

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