

UST383

LSBORO ELEMENTARY SCHOOLS

213 S.E. 6th Ave.
HILLSBORO, OR 97123

MATERIAL SAFETY DATA SHEET

CM 0213

MATERIAL SAFETY DATA SHEET

SUPER CHEMZYME III

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-0823

DATE OF ISSUE
02/14/82

SUPERSEDES
01/08/82

SECTION I - GENERAL INFORMATION

CHEMICAL NAME & SYNONYMS
N/A

TRADE NAME & SYNONYMS
SUPER CHEMZYME III

CHEMICAL FAMILY
BACTERIOLOGICAL SPORES

FORMULA
X<--MIXTURE

MANUFACTURER'S NAME:
NATIONAL CHEMSEARCH DIV. OF NCM CORP.

ADDRESS (NUMBER, STREET, CITY, STATE & ZIP CODE)
BOX 182170
IRVING, TEXAS 75015

PREPARED BY:
R REEVES/CHEMIST

PRODUCT CODE NUMBER
0823

EMERGENCY TELEPHONE NUMBER
214-438-1381

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS.

CHEMICAL NAME (INGREDIENTS)	HAZARD	TLV	PEL	CAS#
ISOPROPYL ALCOHOL	EYE IRR.	400PPM 1.	400PPM 2.	67-63-0
STEL--> 800 PPM 1.				

SECTION III - NON-HAZARDOUS INGREDIENTS

NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE SECRET REGISTRY # 408368-60748

SUPER CHEMZYME III

SECTION III - PHYSICAL DATA

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BOILING PT. (FAHRENHEIT)	210	SPEC GRAVITY (W20=1)	1.08
VAPOR PRESSURE (MM HG)	20	COLOR	BROWN TO AMBER
VAPOR DENSITY (AIR=1)	0.6	ODOR	LEMON
PH @ 100%	7	CLARITY	TURBID
PERCENT VOLATILE BY VOLUME (%)	98	EVAPORATION RATE (BU AC @ 1')	0.10
SOLUBILITY IN WATER	COMPLETE		
VISCOSITY	NON-VISCOUS		

SECTION IV - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	LEL	UEL
NON-FLAM		N/A	N/A
EXTINGUISHING MEDIA 'ALCOHOL'			
X<--FOAM	X<--FOAM	X<--CO2	X<--CHEMICAL
			X<--WATER
			X<--SPRAY
			X<--OTHER

SPECIAL FIRE FIGHTING PROCEDURES
WEAR NIOSH/MSHA APPROVED RESPIRATOR WHEN FIGHTING FIRES IN CONFINED AREAS TO PREVENT EXPOSURE TO ACRID SMOKE AND HAZARDOUS DECOMPOSITION PRODUCTS.

UNUSUAL FIRE & EXPLOSION HAZARDS
ONCE WATER HAS EVAPORATED, INCOMPLETE COMBUSTION WILL YIELD OXIDES OF CARBON.

NIHA HAZARD RATING (SIGNIFICANT: 1=ALIGHT, 2=MODERATE, 3=HIGH, 4=EXTREME):
0<--HEALTH 1<--FLAMMABILITY 0<--REACTIVITY 0<--SPECIAL

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

EFFECTS OF OVEREXPOSURE

ACUTE (SHORT TERM EXPOSURE)

(CONTINUED)

SECTION V - HEALTH HAZARD DATA

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CHRONIC - (LONG TERM EXPOSURE)
 DIRECT CONTACT WITH EYES FOR PROLONGED PERIOD OF TIME MAY CAUSE MARKED
 IRRITATION.

TARGET ORGANS: EYES.

PRIMARY ROUTE OF ENTRY: <-- INHALATION <-- INGESTION X<-- ABSORPTION

EMERGENCY & FIRST AID PROCEDURES

INHALATION:
 TYPICALLY NOT A HAZARD, BUT GET TO FRESH AIR AND TREAT SYMPTOMATICALLY.

EYE CONTACT:
 GO TO SEEK MEDICAL ATTENTION IMMEDIATELY. IMMEDIATELY FLUSH WITH
 PLenty OF WATER FOR AT LEAST 15 MINUTES HOLDING EYELIDS APART TO ENSURE
 FLUSHING OF THE ENTIRE EYE SURFACE. SEEK MEDICAL ATTENTION IF ANY
 IRRITATION PERSISTS.

SKIN CONTACT:
 TYPICALLY NOT A HAZARD.
 WASH OFF WITH PLenty OF SOAP AND WATER.

INGESTION:
 IF LARGE QUANTITIES HAVE BEEN INGESTED, SEEK MEDICAL ATTENTION.

NOTES TO PHYSICIAN:

N/A

SECTION VI - TOXICITY INFORMATION

PRODUCT CONTAINS CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN BY:

IARC <--YES NTP <--YES DSHA <--YES ACRIM <--YES OTHER <--YES
 X<--NO X<--NO X<--NO X<--NO X<--NO

ISOPROPYL ALCOHOL

SKN-MMN: 30 PPM 2,710 MG/KG/CNS 3.
 ORL-MAN TOLD = 12,710 MG/KG/CNS 3.
 ORL-MAN TOLD = 8600 MG/KG 3.
 INH-MMN TOLD = 400 PPM 2.3

SECTION VII - REACTIVITY DATA

STABILITY X<--STABLE <--UNSTABLE CONDITIONS TO AVOID
 AVOID USE OR STORAGE <32 F OR >120 F.

INCOMPATIBILITY (MATERIALS TO AVOID)
 STRONG OXIDIZERS, BLEACH, DISINFECTANTS, OTHER HARSH
 ORGANIC CHEMICALS.

SUPER CHEMZYME III

(CONTINUED)

SECTION VIII - REACTIVITY DATA

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NATURAL DECOMPOSITION PRODUCTS
 OXIDES OF CARBON

HAZARDOUS X<--WILL NOT OCCUR <--MAY OCCUR CONDITIONS TO AVOID

POLYMERIZATION N/A

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 FLUSH DOWN DRAIN.

WASTE DISPOSAL METHOD
 DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

NEUTRALIZING AGENT
 N/A

SECTION IX - SPECIAL PROTECTION INFORMATION

REQUIRED VENTILATION
 NOT GENERALLY REQUIRED. GENERAL EXHAUST IS ADEQUATE.

RESPIRATORY PROTECTION
 NOT REQUIRED.

PROTECTIVE GLOVES
 RUBBER GLOVES IF SKIN IS BROKEN.

EYE PROTECTION
 PROTECTIVE EYEWEAR IF METHOD OF USE PRESENTS THE
 LIKELIHOOD OF EYE CONTACT.

OTHER PROTECTION
 N/A

SECTION X - STORAGE AND HANDLING INFORMATION

STORAGE TEMPERATURE
 120 F. <--MAX 32 F. <--MIN X INDOOR HEATED REFRIGERATED OUTDOOR

(CONTINUED)

SECTION X - STORAGE AND HANDLING INFORMATION PAGE : 05

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING
STORE AT MODERATE TEMPERATURES.

OTHER PRECAUTIONS
KEEP OUT OF REACH OF CHILDREN.
READ ENTIRE LABEL BEFORE USING.

SECTION XI - REGULATORY INFORMATION

CHEMICAL NAME C.A.S. NUMBER UPPER % LIMIT

N/A

THOSE INGREDIENTS LISTED ABOVE ARE SUBJECT TO THE REPORTING REQUIREMENTS OF
313 OF TITLE XXI OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF
1980 AND 40 CFR PART 372.

IF UE (USE EXEMPTION) APPEARS UNDER UPPER % LIMIT, END USERS ARE EXEMPT
FROM NOTIFICATION BECAUSE THE PRODUCT IS USED AND LABELED FOR ROUTINE
JANITORIAL WORK, OR THE PRODUCT IS USED AND LABELED FOR FACILITY GROUNDS
MAINTENANCE (SUCH AS FERTILIZERS AND HERBICIDES), OR THE PRODUCT IS USED AND
LABELED FOR MAINTAINING MOTOR VEHICLES.

CALIFORNIA PROPOSITION 65
WARNING: THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE (1) CANCER OR (2) BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM:
NONE

SECTION XII - TRANSPORTATION * (FOR FUTURE USE)

APPLICABLE REGULATIONS
49 CFR 171.150 <--TARIFF 8 D <--ATA <--MILITARY AIR (AFN 71-4)
SHIPPING NAME

HAZARD CLASS | ID NUMBER | REPORT QTY

LABELS | LIMITED QTY

UNIT CONTAINER

DOT SPS CONTAINER | NET EXPLOSIVE WT.

AEROSOL PROPELLANT(S)

SECTION XIII - REFERENCES

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1. THRESHOLD LIMIT VALUE FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND
TOXICOLOGICAL EXPOSURE INDICES, ACCIM, 1991-1992.
2. OSHA 29 CFR 1910.1200
3. DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, 7TH EDITION,
N. IRVING SAX AND RICHARD J. LEWIS, SR.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED
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