



CHEMAX
CORPORATION

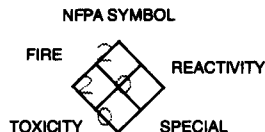
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MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE 1-800-346-0132

HMIS SYMBOL	
HEALTH	2
FLAMMABILITY	2
REACTIVITY	0

HMIS	NFPA
SEVERE 4	EXTREME
SERIOUS 3	HIGH
MODERATE 2	MODERATE
SLIGHT 1	SLIGHT
MINIMAL 0	INSIGNIFICANT



MAY BE USED TO COMPLY WITH OSHA'S HAZARD COMMUNICATION STANDARD (HSC) 29 CFR 1910, 1200, STANDARD MUST BE CONSULTED FOR SPECIFIC REQUIREMENTS.

PRODUCT IDENTIFICATION: C213 BIO-STAT ORIGINAL IS
DATE: 01/02/03

SECTION I: HAZARDOUS INGREDIENTS

CAS NUMBER	CHEMICAL NAME	%	TLV (PPM)
5989-27-5	MONOCYCLIC TERPENE	95	N/E
26027-38-3	NONYLPHENOL ETHOXYLATE BLEND	5	N/E
TOTAL		100%	

SECTION II: PHYSICAL DATA

BOILING POINT: 352 F
VAPOR PRESSURE: 1 mm Hg @ 20 DEGREES CENTIGRADE
VAPOR DENSITY: (AIR=1): 4.69
SOLUBILITY IN WATER: EMULSIFIES
SPECIFIC GRAVITY: (H2O=1): 0.841 @ 25 C
PERCENT VOLATILE BY VOLUME: 93%
EVAPORATION RATE: (WATER=1): < 1
P H: (10% EMULSION): 4-6
APPEARANCE AND ODOR: AMBER LIQUID & CITRUS ODOR

SECTION III: FIRE AND EXPLOSION DATA

FLASH POINT: 120 F (C.C.)
FLAMMABLE LIMITS: LOWER: 0.7 UPPER: 6.1
EXTINGUISHING MEDIA: DRY POWDER, FOAM, CO2
SPECIAL FIREFIGHTING PROCEDURES: AVOID USE OF WATER AS IT MAY SPREAD FLAME

UNUSUAL FIRE AND EXPLOSION HAZARDS: COMBUSTIBLE LIQUID. ALWAYS KEEP AWAY FROM SPARKS AND OPEN FLAME.

SECTION IV: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: UNKNOWN

EFFECTS OF OVEREXPOSURE: POSSIBLE SKIN IRRITANT WITH PROLONGED USE AND DIRECT EYE CONTACT WILL RESULT IN IRRITATION.

EMERGENCY FIRST AID PROCEDURES:

SKIN: WASH IMMEDIATELY WITH SOAP & WATER

EYES: FLUSH WITH WATER. IF IRRITATION PERSISTS, CALL PHYSICIAN.

INGESTION: DRINK LARGE VOLUMES OF MILK OR OTHER LIQUID.

CALL PHYSICIAN IMMEDIATELY.

INHALATION: IF SYMPTOMS OF OVEREXPOSURE ARE EXPERIENCED, EVACUATE TO FRESH AIR. CONSULT PHYSICIAN IF BREATHING IS DIFFICULT.

SECTION V: REACTIVITY DATA

STABILITY DATA: STABLE

INCOMPATIBILITY: AVOID STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: NONE KNOWN

HAZARDOUS POLYMERIZATION: MAY OCCUR

POLYMERIZATION CATALYSTS SUCH AS CALUMINUM CHLORIDE SHOULD BE AVOIDED.

SECTION VI: SPILL OR LEAK PROCEDURES

SMALL SPILLS: WIPE UP PRODUCT. RINSE SOILED AREA WITH WATER DOWN THE DRAIN.

LARGE SPILLS: STOP LEAK AT THE SOURCE AND COLLECT INTO A SUITABLE CONTAINER, THEN TREAT AS A SMALL SPILL.

AVOID BREATHING OF VAPORS AND ABSORPTION THROUGH SKIN.

FOLLOW STATE AND LOCAL REGULATIONS FOR DISPOSAL OF LARGE NON-RECLAIMABLE SPILLS.

SECTION VII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NOT NORMALLY REQUIRED, BUT IF VAPOR CONCENTRATION BECOMES HIGH, USE GENERAL PURPOSE ORGANIC VAPOR MASK.

VENTILATION: LOCAL EXHAUST SHOULD BE ADEQUATE

PROTECTIVE GLOVES: NONPOROUS RUBBER GLOVES

EYE PROTECTION: CHEMICAL SPLASH GOGGLES OR FACESHIELD

OTHER PROTECTIVE EQUIPMENT: USUALLY NOT REQUIRED

SECTION VIII: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: HANDLE AS A COMBUSTIBLE LIQUID. VAPORS CAN IGNITE. STORE AWAY FROM HEAT & OPEN FLAME. ALWAYS STORE UNUSED PORTION IN ORIGINAL CONTAINER WITH CAP SECURE. AVOID TEMPERATURE EXTREMES.

OTHER PRECAUTIONS: ALL HANDLING EQUIPMENT SHOULD BE ELECTRICALLY GROUNDED. USE W/CARE ACCORDING TO LABEL INSTRUCTIONS & PRECAUTIONS.