

Kuth Dixie

WA12629

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MATERIAL SAFETY DATA SHEET

DATE: 04/15/1999

PRODUCT NUMBER: 133020

PRODUCT NAME: BTC 2125M

PAGE: 5

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4/19/99

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PAGE: 1

 *
 * STEPAN COMPANY EMERGENCY INFORMATION *
 * NORTHFIELD, IL. 60093 MEDICAL: 1-800-228-5635 *
 * (847) 446-7500 CHEMTREC: 1-800-424-9300 *
 *

 * SECTION I: GENERAL INFORMATION *

PRODUCT NUMBER: 133020 PRODUCT NAME: BTC 2125M
 PRODUCT CLASS: QUATERNARY
 PRECAUTIONS: CORROSIVE.
 REFER TO BILL OF LADING OR CONTAINER LABEL FOR DOT OR OTHER
 TRANSPORTATION HAZARD CLASSIFICATION, IF ANY.

 * SECTION II: HAZARDOUS INGREDIENTS *

INGREDIENT (CAS #)	OSHA PEL (PPM)	ACGIH TLV (PPM)	OTHER
ETHYL ALCOHOL, DENATURED (64-17-5) 5%	1000	1000	
N-ALKYL (C12-18) -N,N-DIMETHYL-N-BENZYLAMMONIUM CHLORIDE (68391-01-5) 25%	NL	NL	
ALKYL DIMETHYL ETH. BENZ.AMM. CHL (C12-18) (68956-79-6) 25%	NL	NL	

 * SECTION III: PHYSICAL/CHEMICAL DATA *

BOILING POINT:

(CONTINUED)

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PAGE: 2

212 DEG F. (100 DEG C.).
% VOLATILE BY WEIGHT:
50%
EVAPORATION RATE: ESTIMATED SLOWER THAN ETHYL ETHER.

VAPOR DENSITY: ESTIMATED HEAVIER THAN AIR.
VAPOR PRESSURE (MM HG):
NOT DETERMINED OR UNKNOWN.
WEIGHT PER GALLON:
8.1 LBS.

* SECTION IV: FIRE AND EXPLOSION DATA *

FLASH POINT (PENSKEY-MARTENS CLOSED CUP):
170 DEG F. (77 DEG C.).

EXPLOSIVE LIMITS:
LOWER:
4%

EXTINGUISHING MEDIA: DRY CHEMICAL, CARBON DIOXIDE, FOAM, OR
WATER FOG. CLASS BC, ABC FIRE EXTINGUISHER.

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED POSITIVE PRESSURE
BREATHING APPARATUS AND PROTECTIVE
CLOTHING SHOULD BE WORN IN FIGHT-
ING FIRES INVOLVING CHEMICALS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN.

* SECTION V: REACTIVITY DATA *

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
INCOMPATIBILITY (MATERIALS TO AVOID):
STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS:
NITROUS OXIDES AND AMMONIACAL VAPORS.

* SECTION VI: HEALTH HAZARD DATA *

(CONTINUED)

MATERIAL SAFETY DATA SHEET

DATE: 04/15/1999

PRODUCT NUMBER: 133020

PRODUCT NAME: BTC 2125M

PAGE: 3

EFFECTS OF OVEREXPOSURE/EMERGENCY AND FIRST AID PROCEDURES

EYES: CONTACT WITH EYES IS PAINFUL AND IRRITATING AND WILL CAUSE CHEMICAL BURNS. FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER.

SKIN: PROLONGED OR REPEATED CONTACT WITH SKIN CAUSES IRRITATION. WASH OFF SKIN WITH WATER. REMOVE CONTAMINATED CLOTHING AND CLEAN BEFORE REUSE.

INHALATION: MIST CAUSED BY MANUFACTURING OPERATIONS IRRITATES NASAL PASSAGES. ALCOHOL PORTION, WHICH CAN BE INHALED OR ABSORBED, MUST BE CONTROLLED BELOW TLV. PROLONGED INHALATION OF VAPORS CAUSES NAUSEA, LOSS OF MOTOR SKILLS, AND DISORIENTATION.

IF VAPORS OR MIST CAUSE IRRITATION OR DISTRESS, GO TO FRESH AIR. GIVE OXYGEN OR APPLY ARTIFICIAL RESPIRATION, IF NEEDED.

INGESTION: IF SWALLOWED, CONSULT A PHYSICIAN IMMEDIATELY.

CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE TO THIS PRODUCT HAVE NOT BEEN ESTABLISHED. UNNECESSARY EXPOSURE TO THIS PRODUCT OR ANY CHEMICAL SHOULD BE AVOIDED.

IF ANY SYMPTOMS PERSIST, CONSULT A PHYSICIAN.

CARCINOGEN: THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN BY OSHA, NTP, OR IARC.

THRESHOLD LIMIT VALUE:

SEE SECTION II FOR HAZARDOUS INGREDIENTS PRESENT IN THIS PRODUCT AND THEIR CORRESPONDING THRESHOLD LIMIT VALUES.

 FOR ADDITIONAL MEDICAL INFORMATION, CALL 1-800-228-5635

 * SECTION VII: SPILL, LEAK, AND DISPOSAL PROCEDURES *

CONTAIN ALL SPILLS AND LEAKS TO PREVENT DISCHARGE INTO THE ENVIRONMENT.
 VENTILATE AREA.

SMALL SPILLS: SOAK UP WITH ABSORBANT, SHOVEL INTO WASTE CONTAINER, FLUSH AREA WITH WATER.

(CONTINUED)

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PAGE: 4

LARGE SPILLS: RECOVER LIQUID FOR REPROCESSING OR DISPOSAL.
WASTE DISPOSAL: RECOVER MATERIAL OR DISPOSE (INCINERATION IS
PREFERRED) IN ACCORDANCE WITH ALL APPLICABLE FEDERAL,
STATE, AND LOCAL REGULATIONS. MATERIAL COLLECTED WITH
ABSORBANT MAY BE DISPOSED IN A PERMITTED LANDFILL IN
ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
EMPTY CONTAINER MAY RETAIN VAPOR OR PRODUCT RESIDUE.
OBSERVE ALL LABELED SAFEGUARDS UNTIL CONTAINER IS
CLEANED, RECONDITIONED, OR DESTROYED.

* SECTION VIII: PROTECTIVE MEASURES *

EYE PROTECTION: WEAR FULL FACE SHIELD OR GOGGLES WHEN HANDLING.
PROTECTIVE GLOVES: USE IMPERVIOUS GLOVES.

RESPIRATORY PROTECTION:

IF VAPORS ARE PRESENT, USE NIOSH OR MSHA APPROVED RESPIRATOR FOR
ORGANIC VAPORS, AIR-LINE RESPIRATOR, OR A SELF-CONTAINED
BREATHING APPARATUS.

VENTILATION:

USE VENTILATION ADEQUATE TO KEEP HAZARDOUS INGREDIENTS BELOW
THEIR TLV (SEE SECTION II).

OTHER PROTECTIVE EQUIPMENT:

WEAR PROTECTIVE CLOTHING TO PREVENT REPEATED OR PROLONGED
CONTACT.

EYE WASH STATION AND SAFETY SHOWER SHOULD BE NEAR WORK AREA.

* SECTION IX: SPECIAL PRECAUTIONS *

HANDLING AND STORAGE:

AVOID OPEN FIRE OR FLAME.

OTHER PRECAUTIONS:

SPILLED MATERIAL IS SLIPPERY. WASH THOROUGHLY AFTER HANDLING. IF
INGESTED, CALL A PHYSICIAN.

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Anaheim Plant

Fieldsboro Plant

Maywood Plant

Sample Room

Millsdale Plant

Winder Plant

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CERTIFICATE OF ANALYSIS / CERTIFICATE OF COMPLIANCE

3302

Customer Sample	Date	Spec	Spec Maint. Date	Qty
	12/23/98	CQ026		
	Load #	S/O #	Lot # 821932	
			T/C # F81223-33	
	Cust. PO #	Rel #		

STEPAN'S: BTC 2125M

006-B COLOR, AS IS, APHA	200 MAX	44
058-0 PH (10% IN WATER)	7.0-8.5	7.28
407-0 % ACTIVE (M.W. 384)	50-52	50.53
403-0 % FREE AMINE (M.W. 243)	RECORD	0.51
403-0 % AMINE HCL (M.W. 280)	RECORD	0.32
403-0 % FREE AMINE + AMINE HCL	1.0% MAX	0.83
110-0 APPEARANCE AT 25C	CLEAR LIQUID, FFM	PASS

*Vendor
061172*

DEDICATED TO CONTINUOUS IMPROVEMENT THROUGH SQC & SPC

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Very truly yours,
STEPAN COMPANY
ROBERT D. SURKEIN