

A 01

CODING FORMS FOR SRC INDEXING

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Date Produced	10/21/98	Date Received	10/26/98
		TSCA Section	8E
Submitting Organization		CT SPECIALTIES CORP	
Contractor			
Document Title		SUPPORT: LTR FR CT SPECS CORP TO USEPA RE CHANGE TO MSDS DUE TO SENSITIZATION FOUND ON DUPONT CHEM STUDY OF N,N-DIBENZYL HYDROXYLAMINE IN GUINEA PIGS, W/ATTCHMT (MSDS) & DATED 10/21/98	
Chemical Category		N,N-DIBENZYLHYDROXYLAMINE	

A 03

OFFICE OF TOXIC SUBSTANCES
CODING FORM FOR GLOBAL INDEXING

REV. 7/27/82

Microfiche No. (7) •	OTS 0559568	1	No. of Pages	2			
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A 04

8EHQ - 1098 - 14251



Specialties
CORPORATION

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98 OCT 26 PM 3:07

11700

POCN: 88980000 218

October 21, 1998

Document Processing Center (7407)
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street SW
Washington, D.C. 20460-0001

Contains No CBI

Dear 8(e) Coordinator:

N,N-Dibenzylhydroxylamine
CAS No. 621-07-8

This letter is to inform you that C T Specialties Corp. has been notified by a customer (DuPont) that their testing of the above named compound showed skin sensitization on guinea pigs in a study they performed and notified you about in their letter of 9/2/98 (copy attached).

We have revised our MSDS accordingly as per the attached copy and are notifying all customers, that have purchased this material in the past 2 years, of the findings. No further testing is planned.

This is being reported in accordance with guidance given in EPA TSCA Section 8 (e) Reporting Guide (June 1991).

Sincerely,

Melvin E. Miller
President

Enclosures



8EHQ-98-14251



89990000035

RECEIVED
OPPT NCIC
95 PM -6 PM 1:24

[on DuPont letterhead]

September 2, 1998

Via Federal Express

Document Processing Center (7407)
Attention: 8(e) Coordinator
Office of Pollution Prevention and Toxics
U.S. Environmental Protection Agency
401 M Street SW
Washington, D.C. 20460-0001

[This is the letter
that was sent to
the EPA.]

Willie F. Maney
9/14/98

Dear 8(e) Coordinator:

N,N-Dibenzylhydroxylamine
CAS No. 621-07-8

This letter is to inform you of the results of a recently completed guinea pig dermal sensitization study (Buehler Method) with the above referenced material.

Twenty male Hartley guinea pigs were induced with 100% test material (0.5 gm test material moistened with 0.5 ml of propylene glycol/animal) and challenged with 0.5 ml of a 50% suspension of the test material in propylene glycol. The same procedures were carried out on a contemporaneous control group except that the test material was replaced by propylene glycol for both the induction and challenge (vehicle control) or for induction only (test material irritation control). The positive control material (hexylcinnamaldehyde, technical grade, 85%) was not run concurrently with the test material but is periodically tested (every 6 months) to validate the system.

The test material produced a positive sensitization response. Following the challenge with the test material, 13 out of 20 animals (65%) gave a positive response. Twenty-four and 48 hours post-challenge, no redness to faint redness and no redness to moderate redness was observed, respectively, at the test material challenge sites. No redness was observed at the vehicle and test material irritation control sites.

The effect described above is being reported in accordance with the guidance given in the EPA TSCA Section 8(e) Reporting Guide (June 1991).

Sincerely,

A. Michael Kaplan, Ph.D.
Manager-Regulatory Affairs

AMK/GSL:jmg

*** MATERIAL SAFETY DATA SHEET ***

C T Specialties Corporation
2271 Andrew Jackson Hwy., N.E.
P.O. Box 130
Leland, NC 28451
910-371-2234

EMERGENCY CONTACT:
CHEMTREC 800-424-9300

1. PRODUCT IDENTIFICATION

PRODUCT NUMBER 27-7010
PRODUCT NAME DIBENZYLHYDROXYLAMINE
CHEMICAL FAMILY Aromatic Amine
CAS NUMBER OF PRODUCT 621-07-8

2. COMPOSITION/INFORMATION ON INGREDIENTS

NONE HAZARDOUS

3. PHYSICAL DATA

PURE MATERIAL OR MIXTURE Pure
PHYSICAL FORM Solid
APPEARANCE/PHYSICAL DESCRIPTION White powder, characteristic odor
MOLECULAR WEIGHT 213.27
PH AS IS N/A
BOILING-POINT N/A
MELTING/FREEZING POINT 120°C
SOLUBILITY IN WATER Slightly soluble
SPECIFIC GRAVITY (WATER = 1) Not noted
BULK DENSITY Not noted
VOLATILES Not noted
EVAPORATION RATE Not noted
VAPOR PRESSURE (mmHg) Not noted
VAPOR DENSITY (AIR = 1) Not noted
VOLATILE ORGANIC COMPOUNDS Not noted

4. FIRE AND EXPLOSION DATA

*** MATERIAL SAFETY DATA SHEET ***

AUTOIGNITION Not noted
 FLASH POINT. >212 Fahrenheit; Method: Pensky-
 Martens closed tester
 UPPER EXPLOSIVE LIMIT (%) Not applicable
 LOWER EXPLOSIVE LIMIT (%) Not applicable
 EXTINGUISHING MEDIA. CO2; Foam; Dry chemical
 SPECIAL FIREFIGHTING PROCEDURES. No special procedures are required
 FIRE & EXPLOSION HAZARDS Slight to moderate fire and explosion
 hazard when exposed to heat or flame.
 Dust may be explosive if mixed with
 air in critical proportions and in
 the presence of a source of ignition.
 NFPA FLAMMABILITY HAZARD CLASS. 1 = Slight

5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY Eye contact; Skin contact;
 Inhalation; Ingestion
 ACUTE EFFECTS--EYE Irritating, but does not injure eye
 tissue.
 ACUTE EFFECTS--SKIN CONTACT. May cause mild skin irritation. DBHA
 is considered a skin sensitizer.
 ACUTE EFFECTS--INHALATION. No hazard in normal industrial use.
 ACUTE EFFECTS--INGESTION No hazard in normal industrial use.
 Low order of toxicity.

FIRST AID PROCEDURES

EYE Flush eyes with large amount of water until
 irritation subsides. If irritation persists,
 get medical attention.
 SKIN CONTACT. Flush with large amount of water; use soap if
 available.
 INHALATION. Remove to fresh air. Get medical attention if
 irritation persists.

*** MATERIAL SAFETY DATA SHEET ***

5. HEALTH EFFECTS DATA (Continued)

INGESTION If swallowed, induce vomiting only if victim is alert. Get prompt medical attention. DO NOT attempt to give anything by mouth to a drowsy or unconscious person.

LONG-TERM EFFECT OF EXPOSURE

EFFECTS OF CHRONIC EXPOSURE None know.
TARGET ORGANS Not applicable.

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA guidelines) No

PRODUCT TOXICOLOGY

OTHER NOTES ON TOXICITY. PRODUCT IS ESSENTIALLY NON-TOXIC. USE OF GOOD INDUSTRIAL HYGIENE PRACTICES IS RECOMMENDED. AVOID DIRECT CONTACT WITH AND EYES. DO NOT INGEST.

6. ECOLOGICAL INFORMATION

Not noted.

7. RECOMMENDATIONS FOR PERSONAL PROTECTIVE EQUIPMENT

CONDITIONS UNDER WHICH PPE REQ'D . Normal work conditions
EYE PROTECTION REQUIREMENTS. Wear safety glasses with side shields
GLOVE REQUIREMENTS Impervious neoprene or rubber gloves are recommended.

*** MATERIAL SAFETY DATA SHEET ***

7. RECOMMENDATIONS FOR PERSONAL PROTECTIVE EQUIPMENT (Cont.)

CLOTHING REQUIREMENTS Uniforms, coveralls, or a lab coat should be worn.

CHANGE/REMOVAL OF CLOTHING. . . . Launder soiled clothing before re-use

WASH REQUIREMENTS Not noted

RESPIRATOR REQUIREMENTS None required under normal handling conditions. Use NIOSH approved dust mask if dust levels are irritating.

VENTILATION REQUIREMENTS Local

8. REACTIVITY

STABILITY Stable

INCOMPATIBILITIES None known.

NFPA REACTIVITY HAZARD CLASS. . . . 0 = Insignificant

HAZARDOUS DECOMPOSITION PRODUCTS. Stable under normal temperature and pressure.

HAZARDOUS POLYMERIZATION. Will not occur

9. SPILL AND LEAK PROCEDURES

SPILL OR LEAK PROCEDURES Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal.

WASTE DISPOSAL METHODS Waste disposal should be in accordance with existing federal, state and local environmental regulations.

10. HANDLING AND STORAGE PRECAUTIONS

STORAGE TEMPERATURE Not noted

HANDLING/STORAGE. Store out of direct sunlight in a dry area. Maximum storage temperature is 100°F.

*** MATERIAL SAFETY DATA SHEET ***

11. SHIPPING INFORMATION

DOT INFORMATION

DOT SHIPPING NAME Not noted
DOT HAZARD CLASS. Not noted
DOT REPORTABLE QUANTITY N/A

UNITED NATIONS INFORMATION

U.N. NUMBER N/A
U.N. CLASS. Not noted

12. OTHER REGULATORY

TSCA On TSCA inventory
SARA/TITLE III . . This product contains no substances at or
above the reporting threshold under Section 313,
based on data available.

13. REGULATORY CONTACT

MSDS DATE 10/21/98
FOR REGULATORY INFORMATION, CONTACT:
Melvin E. Miller
C T Specialties Corporation
2271 Andrew Jackson Hwy., N.E.
P.O. Box 130
Leland, NC 28451
910-371-2234

-ADDITIONAL INFORMATION-

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR
PRODUCT(S) ALONG AND NOT COMBINED WITH OTHER PRODUCT(S). SUCH ARE BASED
ON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND ARE BELIEVED
TO BE ACCURATE. NO GUARANTY OF ACCURACY IS MADE. IT IS THE PURCHASER'S
RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR
OWN OPERATING CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS
SUITABLE FOR THEIR PURPOSES.