

**Total Containment Solutions
2814 South Street
Ft. Myers, FL 33916**

SAFETY DATA SHEET

TCS HM B side

1. PRODUCT AND COMPANY IDENTIFICATION

Total Containment Solutions
2814 South Street
Ft. Meyers, FL 33916

PRODUCT DESCRIPTION: Mixture of amines

PRODUCT CODE: TS 1202, Part B

GENERIC NAME: Curative

24 Hour emergency response

CHEMTREC 800-424-9300

Date Issued: 3/19/2014

2. HAZARDS IDENTIFICATION

Emergency Overview

The following is for the component DETDA unless specified otherwise.

LD50 LC50 Mixture:LD50:(ORAL,RAT) 485 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHAL: NOT EXPECTED TO BE A ROUTE OF

EXPOS DUE TO LOW VOLATILITY OF DETDA AT ROOM TEMP. HOWEVER,
HEATED MATL MAY GIVE OFF SIGNIFICANT AMTS OF VAP. EYE: EXPECTED TO
BE AN EYE IRRITANT. SKIN: EXPECTED T O BE TOXIC BY DERMAL ABSORP.
INGEST: EXPECTED TO BE TOXIC. (CHRONIC) A TWO YR FEEDING STUDY IN (SEE
EFTS OF OVEREXP)

Explanation of Carcinogenicity:NOT RELEVANT

Effects of Overexposure:HLTH HAZ: RATS SHOWED DETDA CAUSED EFTS IN

PANCREAS, LIVER, THYROID & EYES. AN INCREASE IN NUMBER OF TUMORS IN

LIVER & THYROID OF MALE RATS & IN LIVER & POSSIBLY MAMMARY GLAND OF FEMALE RATS WAS FOUND . OTHER HLTH EFTS: IN RARE INSTANCES, SENSIT

TO ETHACURE 100 CURATIVE HAS BEEN RPTD TO OCCUR IN HUMANS.
Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Chemical Name	Wt.%	CAS
Diethyltoluene diamine	40 - 65	68479-98-1

4. FIRST AID MEASURES

Eye contact: Flush immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

Skin contact: REMOVE FROM SKIN IMMEDIATELY. Take off all contaminated clothing immediately. Remove adhering matter immediately. Use waterless hand cleaner. Then wash with lots of water and soap. Consult a physician.

After inhalation: Remove the victim into fresh air. If symptoms persist, call a physician.

After ingestion: Do not induce vomiting. Call a physician immediately.

Notes to physician: In the unlikely event that large quantities of the product are ingested, gastric lavage should be considered. Aspiration into the lungs may cause chemical pneumonia. An activated charcoal slurry taken within 30 minutes of product ingestion may reduce the toxicity of the chemical. A 5:1 ratio of charcoal to material ingested is the recommended dosage. Activated charcoal should not be considered as an antidote; normal symptomatic treatment is recommended with or without the administration of activated charcoal.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray. Foam. Dry chemical. Carbon dioxide (CO₂).

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Fire and explosion hazards: Cool containers / tanks with water spray. In the event of fire and/or explosion do not breathe fumes. Heating/burning can release hazardous gases: carbon oxides (CO, CO₂), nitrogen oxides (NO_x).

Special protective equipment: Wear protective clothing. In case of respirable dust and/or fumes, use self-contained breathing apparatus.

Flash Point: 350°F (177°C)

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as diatomaceous earth, sawdust, vermiculite, or any appropriate readily available material and sweep or shovel adsorbed material into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wash the contaminated area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

Wear the appropriate personal protective equipment designated in Section 8, remove the leaking container to a containment area and place into an appropriate container to prevent any further spill.

LARGE SPILL: Construct temporary dikes of dirt or sand to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as diatomaceous earth, sawdust, vermiculite, or any appropriate readily available material and sweep or shovel adsorbed material into closed containers for disposal. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

Wear the appropriate personal protective equipment designated in Section 8, close or cap leaking valves and/or block or plug hole in leaking container. Remove the leaking containers to a containment area and place into an appropriate container to prevent any further spill.

Contain material as described above and call the local fire, police, or appropriate emergency response provider for immediate emergency assistance.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Construct temporary dikes of dirt, sand, or any appropriate readily available material to prevent spreading of material into sources of water.

GENERAL PROCEDURES: Absorb spill with an emergency spill kit, diatomaceous earth, saw dust or equivalent inert material. Shovel up and dispose of at an appropriate waste disposal facility following applicable laws and regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Store product in original containers. Store container in a secure cool, dry, well-ventilated area at 55-85 deg. F. Opened containers should be blanketed with

nitrogen gas at atmospheric pressure to avoid reaction with moisture. Contamination with moisture or "basic" compounds can cause dangerous pressure buildup in closed containers.

HANDLING: Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Avoid breathing in vapors, mists, and aerosols. Do not allow product to contact open flame or electrical heating elements because dangerous decomposition products may form.

STORAGE: Store and warehouse product in an appropriate area or facility. Segregate like materials together to avoid negative chemical reactions. Protect materials from excessive exposure to heat. Store in a cool, well-ventilated area. Store in original container. Keep away from heat and sources of ignition.

COMMENTS: If bulging of containers occurs, transfer to a well-ventilated area and open carefully to relieve pressure then reseal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation, especially in confined areas.

Personal protection equipment: Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

Eye protection: Tightly fitting safety goggles. Face-shield.

Hand protection: Solvent-resistant gloves.

Skin and body protection: Solvent-resistant apron and boots. Protective suit. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment with filter classification: N-95 or if oil/liquid aerosols are present P-95 (42 CFR 84). In USA use a NIOSH/MSHA approved respirator.

COMMENTS: Always practice "good personal hygiene" during and after use of this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. DO NOT eat, drink, or smoke in work areas that contain hazardous chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

These data do not represent technical or sales specifications.

Form: Liquid

Color: Dark amber

Odor: Hydrocarbon-like

pH: N.A.

Boiling point/range: N.D

Melting point/range: N.D.

Flash point: N.D.

Autoignition temperature: N.D.

Bulk density: N.A.
Explosion limits: N.D.
Vapor pressure: N.D.
Relative density/Specific Gravity: N.D.
Vapor density: N.D.
Viscosity: N.D.
Water solubility: N.D.
Solubility: N.D.
Abbreviations: N.D. - Not Determined
N.A. - Not Applicable

10. STABILITY AND REACTIVITY

Stability: Stable at normal conditions. Decomposes on heating.

Hazardous decomposition products: No decomposition if used as directed. Under conditions giving incomplete combustion, hazardous gases produced may consist of carbon oxides (CO, CO₂) and nitrogen oxides (NO_x).

Conditions/Materials to avoid: Keep away from ignition sources. Incompatible with oxidizing and reducing agents. May corrode base metals.

Reactivity: Will react rapidly with acids and isocyanates

11. TOXICOLOGICAL INFORMATION

No toxicological information is available.

COMMENTS: The chemical, physical, and toxicological properties have not been thoroughly investigated or tested to the best of our knowledge.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No environmental data has been established or is available for this product.

GENERAL COMMENTS: Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Provisions relating to waste: EPA - Resource Conservation and Recovery Act (RCRA) Hazardous and Solid Waste Management Regulations.

Disposal information: Dispose of in compliance with all applicable regulations. Can be incinerated, when in compliance with the local regulations. Empty remaining contents. Do not reuse empty containers. This product (in its fresh unused state) is not listed by generic name or

trademark name in the U.S. EPA's RCRA regulations and does not possess any of the four identifying characteristics of hazardous waste (ignitability, corrosivity, reactivity or toxicity).

14. TRANSPORT INFORMATION

Proper shipping name: Not applicable.

UN-No.: Not applicable.

Packing group: N.A.

U.S. DOT Not regulated.

DOT Shipping name: N.A.

Hazard classification: N.A.

IMO: Not regulated.

EmS: N.A.

MFAG: N.A.

Marine pollutant: No

ICAO - IATA: Not regulated.

Instruction "passenger": N.A.

Instruction "cargo": N.A.

Further Information:

Not classified as hazardous or dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

No regulatory information is available for this product.

16. OTHER INFORMATION

HMIS™ - Hazardous Material Information System:

HMIS™ Ratings: 0-minimal hazard, 1- slight hazard, 2- moderate hazard, 3- serious hazard, 4-severe hazard.

Revision Information: First revision

MANUFACTURER DISCLAIMER: This MSDS to the best of our knowledge conforms to the requirements of OSHA 29 CFR 1910.1200, 91/155/EEC and summarizes the health and safety hazard information and general guidance on how to safely handle the material at the date of issue. Each user must review the MSDS in the context of how the product will be handled and used in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Responsibility

for the product sold is subject to our standard terms and conditions, a copy of which is available upon request. This company warrants only that its products meet the specifications stated in the sales contract. Typical properties, where stated, are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, **NO GUARANTEE, WARRANTY, OR REPRESENTATION IS MADE, INTENDED, OR IMPLIED AS TO THE CORRECTNESS, OR SUFFICIENCY OF ANY INFORMATION, OR AS TO THE MERCHANTABILITY OR SUITABILITY OR FITNESS OF ANY CHEMICAL COMPOUNDS OR OTHER PRODUCTS FOR ANY PARTICULAR USE OR PURPOSE, OR THAT ANY CHEMICAL COMPOUNDS OR OTHER PRODUCTS OR THE USE THEREOF ARE NOT SUBJECT TO A CLAIM BY A THIRD PARTY FOR INFRINGEMENT OF ANY PATENT OR OTHER INTELLECTUAL PROPERTY RIGHT.** Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. Liability by this company for all claims, whether arising out of breach of warranty, negligence, strict liability, or otherwise, is limited to the purchase price of the material. Products may be toxic and require special precautions in handling. For all products listed, the user should obtain detailed information on toxicity, together with the proper shipping, handling and storage procedures, and comply with all applicable safety and environmental standards. Toxicity and risk characteristics of chemical compounds and other products may differ when used with other materials or in a manufacturing or other process. Those risk characteristics should be determined by the user and made known to handlers, processors, and end users.