



## SAFETY DATA SHEET

(REVISED NOVEMBER 22, 2019)

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product identifier:</b>	Hartcure 30
<b>Other means of identification:</b>	Dimethylthio toluenediamine
<b>Chemical use and restrictions:</b>	For use in formulating and coating For use only by a professional formulator or coater
<b>Manufacturer:</b>	The Hanson Group LLC 3044 Adriatic Court Peachtree Corners, GA 30071 770-495-9554
<b>24 Hour emergency response</b>	CHEMTREC 800-424-9300

### SECTION 2. HAZARD(S) IDENTIFICATION

#### Emergency Overview

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

Acute Tox. 4 (oral) Acute toxicity

Skin Sens. 1 Skin sensitization

Aquatic Acute 1 Hazardous to the aquatic environment - acute

Aquatic Chronic 1 Hazardous to the aquatic environment - chronic

#### Label elements

#### Hazardous components which must be listed on the label

Dimethylthio toluenediamine



#### GHS Label elements, including precautionary statements

**Signal word**

Warning

**Hazard statements:**

Hazard Statement:

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Precautionary Statements (Prevention):**

P280	Wear protective gloves.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P270	Do not eat, drink or smoke when using this product.
P264	Wash with plenty of water and soap thoroughly after handling.
P333 + P311	If skin irritation or rash occurs: Call a POISON CENTER or doctor/physician.
P303 + P352	IF ON SKIN (on hair): Wash with plenty of soap and water.
P301 + P330	IF SWALLOWED: rinse mouth.
P391	Collect spillage.
P362 + P364	Take off contaminated clothing and wash before reuse.

**Hazards not otherwise classified (HNOC) or not covered by GHS –**

None if handled and stored properly.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Di-(methylthio)toluenediamine	100	106264-79-3

**SECTION 4. FIRST-AID MEASURES**

**Precautions:** First aid providers should avoid direct contact with this chemical. Wear protective equipment as necessary.

**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.

**After inhalation:** Remove the victim into fresh air. Symptoms include irritation of the respiratory tract of asthmatic reaction.

**After ingestion:** Do not induce vomiting without medical advice.  
**Medical Attention:** Consult a physician if any of these events occur.

**General:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

## SECTION 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Carbon dioxide (CO<sub>2</sub>), Foam, extinguishing powder, in cases of larger fires, water spray should be used.

**Unsuitable extinguishing media:** High volume water jet

**Special hazards arising from the substance or mixture:**

Burning releases carbon monoxide, carbon dioxide, oxides of nitrogen and traces of hydrogen cyanide. In the event of fire and/or explosion do not breathe fumes. Cool endangered vessels and containers with sprayed water. Heating raises pressure with consequent risk of bursting and explosion.

**Advice for fire-fighters:**

During fire-fighting respirator with independent air-supply and airtight garment is required. Make provision for product and fire-fighting water to be retained. Do not allow contaminated extinguishing water to enter the soil, ground-water or surface waters.

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

## SECTION 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 absorbed 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.

## SECTION 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Store product in original containers. Store container in a secure cool, dry, well-ventilated area. Opened containers should be blanketed with nitrogen gas at atmospheric pressure

**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.

### Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants.

Suitable materials for containers: carbon steel (iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2)

Further information on storage conditions: No special precautions necessary. Avoid extreme heat.

Store protected against freezing.

Storage stability:

Storage temperature: 60 - 80 °F

Protect against moisture.

**INCOMPATIBLE MATERIALS:** Will react with isocyanates and acids.

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

## SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Advice on system design:**

Provide local exhaust ventilation to control vapors/mists.

### **Personal protective equipment**

#### **Respiratory protection:**

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator as needed.

#### **Hand protection:**

Chemical resistant protective gloves

#### **Eye protection:**

Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

#### **Body protection:**

Standard work clothes and shoes.

#### **General safety and hygiene measures:**

Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapors/mists. Wash soiled clothing immediately.

### **Exposure controls**

#### **Respiratory protection:**

Put on full-mask respirator with filter type ABEK. Unless the product is entirely enclosed, do not handle it until you have studied the respiratory precautions issued by the appropriate authority or accident prevention association.

#### **Eye protection:**

Wear eye/face protection.

#### **Skin and body protection:**

Wear suitable protective clothing.

**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.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **Information on basic physical and chemical properties**

Form: liquid

Odor: sulfur-like

Odor threshold: not applicable

Color: clear

pH value: not determined  
Melting point: not determined  
Boiling point: The substance / product decomposes therefore not determined.  
Sublimation point: No applicable information available.  
Flash point: 176 °C (closed cup)  
Flammability: not flammable  
Lower explosion limit: For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.  
Upper explosion limit: For liquids not relevant for classification and labelling.  
Auto ignition: > 250 °C  
Vapor pressure: 0.89 mmHg (146 °C)  
Density: approx. 1.2 g/cm<sup>3</sup> (20 °C)  
Relative density: No applicable information available.  
Bulk density: (20 °C) not determined  
Vapor density: not applicable  
Partitioning coefficient n-octanol/ water (log Pow): not determined  
Self-ignition temperature: not self-igniting  
Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.  
Viscosity, dynamic: not determined  
Viscosity, kinematic: No applicable information available.  
Solubility (quantitative): No applicable information available.  
Solubility (qualitative): No applicable information available.  
Evaporation rate: Value can be approximated from Henry's Law Constant or vapor pressure.

Other information: The indicated values do not necessarily correspond to the product specification. Please refer to the technical information sheet for specification data.  
These data do not represent technical or sales specifications.

## SECTION 10. STABILITY AND REACTIVITY

**Chemical stability:** No decomposition below initial boiling point.

**Possibility of hazardous reactions:** Note exothermic reaction with isocyanates.

**Hazardous decomposition products:** No hazardous decomposition products when stored and handled correctly.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

**Primary routes of exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### **Acute Toxicity/Effects**

Acute toxicity

Assessment of acute toxicity: Ingestion may cause gastrointestinal disturbances. The substance can be absorbed through the skin.

Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Origin of data: expert judgement

Irritation / corrosion

Assessment of irritating effects: Moderately irritating to the eyes. Moderately irritating to the skin.

Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

Aspiration Hazard

No aspiration hazard expected.

### **Chronic Toxicity/Effects**

Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated exposure to high doses of the substance causes reversible liver changes in rodents. According to present knowledge, these effects do not occur in man. The substance may cause damage to the kidney after repeated ingestion.

Genetic toxicity

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

Teratogenicity

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect.

### **Symptoms of Exposure**

No significant reaction of the human body to the product known.

Medical conditions aggravated by overexposure

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

## **SECTION 12. ECOLOGICAL INFORMATION**

Do not allow to escape into waterways, wastewater or soil.

### **Bioaccumulative potential**

Assessment bioaccumulation potential  
Does not significantly accumulate in organisms.

**Mobility in soil**

Assessment transport between environmental compartments  
Adsorption to solid soil phase is not expected.

**Additional information**

Absorbable organically-bound halogen (AOX):  
This product contains no organically-bound halogen

**SECTION 13. DISPOSAL CONSIDERATIONS**

Dispose in accordance with applicable international, national and local laws, ordinances and statutes. For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

**Waste treatment methods**

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until "drip-dry"), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry. Containers must be recycled in compliance with national legislation and environmental regulations.

None disposal into waste water.

**SECTION 14. TRANSPORTATION INFORMATION**

**DOT**

UN Number: 3082

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dimethylthio toluenediamine)

Packaging group: III, hazard label: 9

**ADR/RID**

UN Number: 3082

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dimethylthio toluenediamine)

Packaging group: III, Hazard identification No: 90, hazard label: 9

Environmentally hazardous: yes

Limited quantity regulations applicable in accordance with chapter 3.4 ADR/RID in compliance with threshold value

**ADN**

UN Number: 3082



Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dimethylthio toluenediamine)

Packaging group: III, Hazard identification No: 90, hazard label: 9

Environmentally hazardous: yes

This classification data does not apply to transportation by tanker. If required, additional information can be requested from the manufacturer.

### **IATA**

UN Number: 3082

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dimethylthio toluenediamine)

Class: 9

Packaging group: III, hazard label: 9

Packing instruction (cargo aircraft): 964

Packing instruction (passenger aircraft): 964

### **IMDG**

UN Number: 3082

Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Dimethylthio toluenediamine)

Class: 9

Packaging group: III

IMDG-Labels: 9

Marine pollutant: yes

Special precautions for user: Environmentally hazardous substance. Keep dry. Keep separated from foodstuffs.

## **SECTION 15. REGULATORY INFORMATION**

### **Federal Regulations**

#### **Registration status:**

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Not hazardous;

#### **HMIS III rating**

Health: 2 Flammability: 0 Physical hazard:0

## SECTION 16. OTHER INFORMATION

Date Written: October 31, 2014  
Revision Date: November 22, 2019

**MANUFACTURER DISCLAIMER:** This SDS 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 SDS 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 The Hanson Group. Responsibility for the product sold is subject to our standard terms and conditions, a copy of which is available upon request. The Hanson Group 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 The Hanson Group 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.