



THE HANSON GROUP. LLC
GOOD PEOPLE, GREAT SCIENCE

SAFETY DATA SHEET

(REVISED JANUARY 10, 2023)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

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

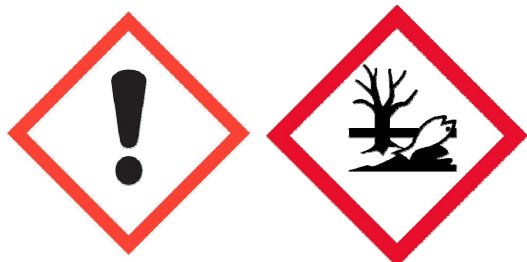
Aquatic Acute 1 Hazardous to the aquatic environment - acute

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

Precautionary Statements:

Prevention:

P261 Avoid breathing dust/ fumes/ gas/ mist/ vapors/ spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing must not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.

Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

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

General advice:	First Aid responders should pay attention to self-protection and use the recommended protective clothing. Ensure that eyewash stations and safety showers are close to the workstation location.
If inhaled:	Move to fresh air. If breathing is difficult, give oxygen. If breathing is irregular or stopped, administer artificial respiration. Keep the victim calm and in a semi-upright position. Consult a physician.
In case of skin contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash clothing before reuse. Get medical attention if irritation develops and persists.
In case of eye contact:	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed:	Clean mouth with water and drink plenty of water afterwards. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If accidentally swallowed obtain immediate medical attention.
Most important symptoms and effects, both acute and delayed:	No information available. See Section 2.
Notes to physician:	Treat symptomatically. For specialist advice physicians should contact the Poisons Information Service.

SECTION 5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide (CO₂), 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 respirators 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, groundwater 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

Personal precautions, protective equipment, and emergency procedures:

Evacuate personnel to safe areas. Do not breathe dust/ fumes/ gas/ mist/ vapors/ spray.
Wear personal protective equipment. Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Do not flush into surface water or sanitary sewer system. Do not allow contact with soil, surface or ground water. Prevent further leakage or spillage if safe to do so.
Contain any spill with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods and materials for containment and cleaning up: Take up small spills with dry chemical absorbent. Large spills may be taken up with pump or vacuum and finished off with dry chemical absorbent. Pump up the acid water coming from the gas scrubber into a container properly labelled and

acid resistant. Clean contaminated floors and objects thoroughly while observing environmental regulations. May require excavation of contaminated soil.

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. Avoid touching equipment surfaces covered with the substance. Change contaminated or damaged gloves immediately.

Personal protective equipment

Respiratory protection:

Approved organic vapor respirator when exposed to vapors from heated material. In case of insufficient ventilation, wear suitable respiratory equipment. Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection:

Chemical resistant protective gloves / Nitrile rubber Neoprene gloves

Eye protection:

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

Body protection:

Dermal exposure is considered the primary route of exposure. BODY: A protective apron or suit such as polyethylene Tyvek or equivalent should be used to minimize exposure from splashes.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form:	Liquid
Odor:	Amine-like
Odor threshold:	Not applicable
Color:	Amber
pH value:	Not determined.
Melting point:	< 32 °F / 0 °C
Boiling Point(°F)(°C):	667(353) (decomposes)
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 labeling.
Upper explosion limit:	For liquids not relevant for classification and labeling.
Auto ignition:	No applicable information available.
Vapor Pressure:	mm@65°F(20°C) = 0.6
Density:	Approx. 1.2 g/cm ³ (20 °C)
Relative density:	No applicable information available.
Relative vapor density:	No applicable information available.
Explosive properties:	No chemical groups associated with explosive properties.
Oxidizing properties:	No chemical groups associated with oxidizing properties.
Viscosity:	Cps @68°F(20°C) = 690

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

SECTION 10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reaction known under normal use.
Hazardous decomposition products:	No hazard 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 is 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

Disposal methods

Waste from residues:	Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.
Contaminated packaging:	Refer to manufacturer/ supplier for information on recovery/recycling.

SECTION 14. TRANSPORTATION INFORMATION

DOT

UN Number: 3082

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

Packaging group: III, hazard label: 9

ADR/RID

UN Number: 3082

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

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 toluediamine)

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

EPCRA - Emergency Planning and Community Right-to-Know.

CERCLA Reportable Quantity - This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity - This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity - This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards: Acute toxicity (any route of exposure)
Respiratory or skin sensitization

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

The ingredients of this product are reported in the following inventories:

TCSI:	On the inventory, or in compliance with the inventory
TSCA:	All substances listed as active on the TSCA inventory.
AICS:	On the inventory, or in compliance with the inventory
DSL:	This product contains the following components listed on the Canadian NDSL. All other components are on the Canadian DSL. Proprietary
ENCS:	Not in compliance with the inventory
ISHL:	On the inventory, or in compliance with the inventory
KECI:	Not in compliance with the inventory
PICCS:	Not in compliance with the inventory
IECSC:	On the inventory, or in compliance with the inventory
NZIoC:	On the inventory, or in compliance with the inventory
ELINCS:	On the inventory, or in compliance with the inventory

TSCA list

Toxic Substances Control Act (TSCA) Included in the EPA TSCA Chemical Substance Inventory by its components CAS no. 102093-68-5 & 104983-85-9

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Date Written: October 31, 2014

Revision Date: August 20, 2026

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, 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.