



Safety Data Sheet (SDS)

Revision / Review Date: 4/14/14

1. Chemical Product and Company Identification

Product Name: TPPD
Distributed By: HB Chemical
1665 Enterprise Parkway
Twinsburg Oh 44087
Phone - 330-920-8023
MSDS Prepared By (w Suppliers Input): HB Chemical
Chemical Name / Family: 4'anilinotoluene-4-sulphonanilide
CAS No.: 100-93-6
Product Use: Used as rubber additive.
OSHA Status: Not Hazardous

For emergency health, safety, and environmental information, calls 330-920-8023
For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

Classification: The substance is classified as following according to 67/548/EEC and REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Acute Tox. 4	H302

For full text of H- phrases: see section 2.2.

67/548/EEC	
Hazards characteristics	R-Phrases
Xn	R22

For full text of R- phrases: see section 16.

The most important adverse effects: Physicochemical effects/Not applicable.
Human health effects/ Harmful if swallowed.
Environmental effects/Not applicable.

Label elements:

Hazard Pictograms:



Signal Word: Warning.

Hazard Statement: H302: Harmful if swallowed

HB Chemical 1665 Enterprise Parkway Twinsburg, Ohio 44087

Phone 330-920-8023 Fax 330-920-0971

www.hbchemical.com

Precautionary Statement:

P264: Wash hands thoroughly after handling
P270: Do not eat, drink or smoke when using this Product.
P301 + P312: IF SWALLOWED: CALL POISON CENTER or Doctor/physician if you feel unwell.
P330: Rinse mouth.
P501: dispose of contents/container in according with local regulations.

Other hazards:

Not available (PBT, vPvB, Substance in an endocrine disruptor etc.).

3. Composition / Information on Ingredients

Substance/Mixture:

Substance

Ingredients:

Chemical Name	Registration No.	CAS No.	EC No.	Concentration
4'-anilinetoluene-4-sulphon anilide	N/A	100-93-6	202-902-1	99%
Others	N/A	N/A	N/A	1%

4. First Aid Measures

Inhalation:

Move to fresh air. If symptoms persist, seek medical advice.

Eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical advice if irritation develops.

Skin:

Remove contaminated clothing. Wash off with soap and water. Get medical aid if irritation persists.

Ingestion:

Rinse mouth and then drink plenty of water. Never give anything by mouth to an unconscious person. Get medical aid.

Most important symptoms and effects, both Acute and delayed:

Harmful if swallowed.

Indication of any immediate medical attention and Special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

Use carbon dioxide, foam, dry powder.

<u>Unsuitable extinguishing media:</u>	Not available.
<u>Special Fire Fighting Procedures:</u>	Wear self-contained breathing apparatus and chemical – protective clothing.
<u>Special hazards arising from the substance or Mixture:</u>	Combustion products; carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

<u>For non-emergency personnel:</u>	Use personal protective equipment. Avoid breathing mist and vapors. Ensure adequate ventilation. Evacuate personnel to safe areas. Handle in accordance with good industrial hygiene and safety practice.
<u>For emergency responders:</u>	Wear an appropriate NIOSH/MSHA approved respirator if mist, vapor or dust is generated.
<u>Environmental Precautions:</u>	Do not allow material to be release to the environment without proper governmental permits.
<u>Methods for containment and Cleaning up:</u>	Sweep up carefully, preferable with the aid of a suitable dry anti-dusting agent if available. Place in suitable containers for disposal. Ensure adequate ventilation.
<u>Additional information:</u>	Clear spills immediately.
<u>Reference to other sections:</u>	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

7. Handling and Storage:

<u>Precautions for safe handling:</u>	Protective measures, Use personal protective equipment. Avoid contact with skin and eyes. Provide appropriate exhaust ventilation. Wash hand thoroughly after handling. Remove contaminated clothing. Advice on general occupational hygiene, do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.
<u>Conditions for safe storage, including any Incompatibilities:</u>	Keep container tightly closed in a dry and well-ventilated place. Keep away from incompatible materials.
<u>Specific end use:</u>	Not applicable.

8. Exposure Controls / Personal Protection

<u>Control parameters:</u>	Occupational exposure limits: Not available. Additional exposure limited under the condition of use; Not available. DNEL/DMEL and PNEC-Values; Not available.
<u>Exposure Controls:</u>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
<u>Respiratory Protection:</u>	Wear appropriate respirator if necessary.
<u>Thermal hazards:</u>	Wear suitable protective clothing to prevent heat.
<u>Protective Gloves:</u>	Handle with gloves. Wear appropriate gloves.
<u>Eye Protection:</u>	Safety glasses with side-shields (frame goggles) (e.g.EN166).
<u>Skin and Body Protection:</u>	Wear appropriate protective clothing and boots.
<u>Environmental exposure controls:</u>	Avoid discharge into the environment. According local regulations, Federal and official regulation.
<u>Decontamination Facilities:</u>	Eye bath, washing facilities (sinks / showers)

9. Physical and Chemical Properties

<u>Appearance:</u>	Powder.
<u>Odor:</u>	Not available.
<u>Odour threshold:</u>	Not available.
<u>PH:</u>	Not available.
<u>Melting point/range:</u>	Not Applicable
<u>Boiling point/range (°C)</u>	521 °C (760mmHg)
<u>Flash Point (°C)</u>	268.9°C
<u>Evaporation Rate:</u>	Not available.
<u>Flammability (solid, gas):</u>	Not available.
<u>Ignition temperature (°C):</u>	Not available.
<u>Upper/lower flammability/explosive limits:</u>	Not available.
<u>Vapor Pressure (25 °C)</u>	5.89E-11 mmHg
<u>Vapor Density:</u>	Not available.
<u>Relative Density (30 °C):</u>	1.297 g/cm ³

<u>Bulk density (kg/m³):</u>	Not available.
<u>Water solubility (g/l) at 30 °C:</u>	Not available.
<u>n-Octanol/Water (log Po/w):</u>	Not available.
<u>Auto-ignition temperature:</u>	Not available.
<u>Decomposition temperature:</u>	Not available.
<u>Viscosity, dynamic (mPa s):</u>	Not available.
<u>Explosive properties:</u>	Not available.
<u>Oxidizing properties:</u>	Not available.
<u>Other information:</u>	
	Fat solubility(solvent– oil to be specified) etc: Not available
	Surface tension: 59.3 dyne/cm
	Dissociation constant in water(pKa): Not available
	Oxidation-reduction Potential: Not available
	Molecular Formula: C ₁₉ H ₁₈ N ₂ O ₂ S
	Molecular Weight: 338.42

10. Stability and Reactivity

<u>Stability/Reactivity:</u>	Stable at room temperature in closed containers under normal storage and handling conditions.
<u>Possibility of hazardous reactions:</u>	No dangerous reactions known.
<u>Incompatibility (Materials to Avoid):</u>	Strong oxidizing agents.
<u>Conditions to Avoid:</u>	Incompatible materials.
<u>Hazardous decomposition products:</u>	Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides.

11. Toxicological Information

<u>Toxicokinetics, metabolism and distribution:</u>	Non-human toxicological data: Not available.
<u>Information on toxicological effects:</u>	Acute toxicity: LD50(oral, Rat); Not available. LD50(Dermal, Rat); Not available. LC50 (inhalation, Rat): Not available.
<u>Skin corrosion/irritation:</u>	Not classified.
<u>Serious eye damage/irritation:</u>	Not classified.
<u>Respiratory or skin sensitization:</u>	Not classified.
<u>Germ Cell mutagenicity:</u>	Not classified.
<u>Carcinogenicity:</u>	Not classified.

<u>Reproductive toxicity:</u>	Not classified.
<u>STOT- single exposure:</u>	Not classified.
<u>STOT- repeated exposure:</u>	Not classified.
<u>Aspiration hazard:</u>	Not classified.

12. Ecological Information

Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

Persistence and degradability: Not available.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Results of PBT & vPvB assessment: Not available.

Other adverse effects: Do not empty into drains.

13. Disposal Considerations

Waste treatment methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous water regulations to ensure complete and accurate classification.

Product/ packaging disposal: Reclaim or Dispose of material in accordance with all applicable local, state, and federal regulations.

14. Transport Information

D.O.T. Shipping Name Not regulated.

Air - ICAO (international Civil Aviation Organization) Not regulated.

Sea - IMDG (International Maritime Dangerous Goods) Not regulated.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not regulated.

15. Regulatory Information

Safety, health and environmental regulation/legislation specific for the substance or mixture

<u>Relevant information regarding authorization :</u>	Not applicable.
<u>Relevant information regarding restriction:</u>	Not applicable.
<u>Other EU regulations:</u>	Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.
<u>Other National regulations:</u>	Not applicable.
<u>Chemical safety assessment has been carried out?:</u>	No

16. Other Information

Relevant R-phrases (number and full text): R22: Harmful if swallowed.

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.