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SECTION 1: Identification of the substance/mixture and of the company**Product Identifier**

Product Name: PowerNox™ 1098
 Chemical Name: N,N'-Hexamethylenebis(3,5-di-tert-butyl-4-hydroxyhydrocinnamamide)

Relevant identified uses of the substance or mixture and uses advised against

Relevant applications identified For industrial use

Details of the supplier of the safety data sheet

Company Tintoll Performance Materials Co.,Ltd.
 A-703, No. 50 Jialingjiang East St, Nanjing, China
 Email: SDS@TinToll.com

Emergency Telephone Number: +86-25-8468-0091

SECTION 2: Hazardous identification**GHS Labeling****Regulatory List**

EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Precautionary Statement

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P262 Do not get in eyes, on skin, or on clothing.

Labeling (EU)**S Phrases**

S22 Do not breathe dust.

S24/25 Avoid contact with skin and eyes.

Additional Information Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

SECTION 3: Composition/information on ingredients**According to Hazardous Products Regulations (HPR) (SOR/2015-17)**

<u>CAS Number</u>	<u>Formula</u>	<u>Chemical name</u>
23128-74-7	C ₄₀ H ₆₄ N ₂ O ₄	N,N'-Hexamethylenebis(3,5-di-tert-butyl-4-hydroxyhydrocinnamamide)

SECTION 4: First aid measures

Description of first aid measures**General advice:**

Remove contaminated clothing.

If inhaled:

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the section 2 and/or in section 11, Further important symptoms and effects are so far not known.

SECTION 5: Firefighting measures**Extinguishing Media****Suitable**

foam, dry extinguishing powder, carbon dioxide (CO₂), water spray jet

Hazards During Fire-Fighting

toxic fumes

Protective Equipment for Fire-Fighting

Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Use personal protective clothing.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

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Methods and material for containment and cleaning up

not available

Further Accidental Release Measures

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

SECTION 7: Handling and storage**Precautions for safe handling****General advice:**

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities**General advice:**

store at room temperature

Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

SECTION 8: Exposure Controls/Personal Protection**Exposure controles****Industrial Hygiene**

Mechanical exhaust required. Safety shower and eye shower.

Personal Protective Equipment**Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection

Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

SECTION 9: Physical and Chemical Properties

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Form	powder
Colour	white
Phase Transition Solid/Liquid	158°C
Molar Mass	636.96 g/mol
Flash Point:	401.4°C

SECTION 10: Stability And Reactivity**Conditions to Avoid (SDS)**

incompatible materials

Substances to Avoid (SDS)

strong oxidizers

Decomposition Productsnitrogen oxides (NO_x), carbon dioxide (CO₂), carbon monoxide**SECTION 11: Toxicological Information****Other Relevant Toxicity Information**

We are not aware of any toxicology data.

SECTION 12: Ecological Effects**Biodegradation**

no data available

Bioaccumulation

no data available

Distribution in Environment

no data available

SECTION 13: Disposal considerations**Advice on Disposal and Packaging**

Advice on Disposal

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber; observe all federal, state and local environmental regulations. Dispose of waste according to Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG).

Advice on Packaging

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not available

SECTION 14:Transport Information

ADR	Not dangerous goods
IATA	Not dangerous goods
IMDG	Not dangerous goods
RID	Not dangerous goods

SECTION 15:Regulatory Information

Federal Regulations

Registration status:

Chemical DSL, CA released / listed

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

SECTION 16:Other Information

Further information

It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.