

Version 6.4B

Page 1 / 6

Revision Date 25,05,2023

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

Product Name: PowerNox™ 565

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 Label Elements****Signal Word: Warning****Precautionary Codes:**

P202 - This product should only be used by persons trained in the safe handling of hazardous chemicals.

P233 - Store in a tightly closed container. (P404)

P235 - Store in a cool dry place.

P260 - Do not breathe dust.

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

P264 - Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

GHS Label Elements

P284 - Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), or a risk assessment shows air-purifying respirators are appropriate, use of a NIOSH/MSHA approved air supplied respirator is advised. Use a full-face respirator with multi-purpose combination (US) or type ABEK (EN14387) respirator cartridges in absence of proper environmental control. Always use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Engineering and/or administrative controls should be implemented to reduce exposure. P338 - Eye contact: Immediately flush with plenty of water. After initial flushing, remove and contact lenses and continue flushing for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. P360 - Skin contact: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Other Hazards**Symptom of Exposure Health/Environment**

Version 6.4B	Page 2 / 6	Revision Date 25,05,2023
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To the best of our knowledge, no specific human health toxicity information is available for this product. However, exposure to any chemical should be kept to a minimum. Always follow safe industrial hygiene practices when handling this product.

Potential Health Effects

May be irritating to eyes.

May be irritating to skin.

May be harmful if absorbed through the skin. (Acute toxicity, dermal, category 5)

Not expected to be a respiratory hazard based on normal conditions of use.

May be harmful if inhaled. (Acute toxicity, inhalation, category 5)

May be harmful if swallowed. (Acute toxicity, oral, category 5)

Routes of Entry

Inhalation, ingestion or skin contact.

Carcinogenicity

This product is or contains a component that is not listed (ACGIH, IARC, NTP, OSHA) as a cancer causing agent.

SECTION 3: Composition/information on ingredients

Synonyms: 2,4-bis(n-Octylthio)-6-(4-hydroxy-3,5-di-tert-butylanilino)-1,3,5-triazine

Molecular Weight: 588.96

Molecular Formula: C₃₃H₅₆N₄OS₂

EC#: 213-590-1

Analyte	CAS #	% Concentration	ACGIH -TLV (mg/m ³)			OSHA -PEL (mg/m ³)		
			TWA	STEL	Skin	TWA	STEL	Skin
PowerNox™ 565	991-84-4	100.000						

SECTION 4: First aid measures

First Aid Procedures - General

Get medical assistance for all cases of overexposure.

Eye Contact

Eye contact: Immediately flush with plenty of water. After initial flushing, remove and contact lenses and continue flushing for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. (P338)

Skin Contact

Skin contact: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse. (P360)

Version 6.4B

Page 3 / 6

Revision Date 25,05,2023

Inhalation

Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. See immediate medical attention.

Ingestion

Ingestion: Call a physician or poison control center immediately. ONLY induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

SECTION 5: Firefighting measures**Flammable Properties**

During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media

Use alcohol foam, carbon dioxide, dry chemical, or water spray when fighting fires involving this material.

Protection of Firefighters

As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental release measures**Spill Response**

Wear suitable protective equipment listed under Exposure Controls / Personal Protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source, if this can be done without risk. Dispose as hazardous waste. Comply with Federal, State and local regulations.

SECTION 7: Handling and storage

Store in a tightly closed container. (P404)

Store in a cool dry place. (P235)

Do not breathe dust. (P260)

Use with adequate ventilation.

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

Avoid prolonged or repeated exposure.

This product should only be used by persons trained in the safe handling of hazardous chemicals. (P202)

SECTION 8: Exposure Controls/Personal Protection**General Hygiene Considerations**

Version 6.4B	Page 4 / 6	Revision Date 25,05,2023
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Respiratory Protection: If workplace exposure limit(s) of product or any component is exceeded (see TLV/PEL), or a risk assessment shows air-purifying respirators are appropriate, use of a NIOSH/MSHA approved air supplied respirator is advised. Use a full-face respirator with multi-purpose combination (US) or type ABEK (EN14387) respirator cartridges in absence of proper environmental control. Always use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Engineering and/or administrative controls should be implemented to reduce exposure.

Material should be handled or transferred in an approved fume hood or with adequate ventilation. Compatible chemical-resistant protective gloves must be worn to prevent skin contact. Inspect gloves prior to use. Use proper glove removal technique to avoid contact with product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash hands thoroughly and dry.

Use eye protection tested and approved under the appropriate government standards such as NIOSH (US) or EN 166 (EU).

All recommendations are advisory only and must be evaluated by an industrial hygienist and/or safety officer familiar with the specific situation of anticipated use, such as concentration and amount of the substance in the workplace.

Any recommendation should not be construed as offering an approval for any specific use of the product.

SECTION 9: Physical and Chemical Properties

Appearance	White to light yellow solid
Odor:	Odorless
pH:	6.2 (1% suspension)
Melting Point:	91 - 96 °C
Boiling Point:	no data available
Flash Point:	545 °F / 285 °C (Marcusson open pan)
Evaporation Rate	
(Butyl Acetate=1):	no data available
Flammability Class:	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Vapor Pressure:	<0.01 mmHg @ 25 °C
Vapor Density (Air = 1):	no data available
Specific Gravity:	1.1 g/cm ³
Solubility in Water:	no data available
Partition Coefficient:	no data available
Autoignition Temperature:	390 °C

Version 6.4B	Page 5 / 6	Revision Date 25,05,2023
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Decomposition Temperature: no data available
 Viscosity: no data available
 VOC Content: no data available
 Percent Volatile: <0.5

SECTION 10: Stability And Reactivity

Stability: Stable
 Materials to Avoid: Oxidizers
 Acids
 Bases
 Hazardous Decomposition: Oxides of carbon, nitrogen and sulfur; Hydrogen sulfide
 Hazardous Polymerization: Will not occur
 Condition to Avoid: Excessive heat

SECTION 11: Toxicological Information

Human Health Toxicity
 See section 2 for specific toxicological information for the ingredients of this product.
 LD50 (Oral): no data available
 LD50 (Dermal) : no data available
 LC50 (Inhalation): no data available
 No other information related to the toxicological properties of this product is available at this time.

SECTION 12: Ecological Effects

Environmental Toxicity
 By complying with sections 6 and 7 there should be no release to the environment.
 LC50 (Fish): no data available
 EC50 (Aquatic Invertebrate): no data available
 BCF: no data available
 No other information related to the ecological properties of this product is available at this time.

SECTION 13: Disposal considerations

Recycle or incinerate at any EPA approved facility or dispose in compliance with Federal, State and local regulations. Empty containers must be triple-rinsed prior to disposal.



SECTION 14:Transport Information**ADR/RID**

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15:Regulatory Information

The CAS number of this product is listed on the TSCA Inventory.

This product is NOT subject to SARA section 313 reporting requirements.

For laboratory, research and development use only. Not for manufacturing or commercial purposes.

In addition to federal and state regulations, local regulations may apply. Check with your local regulatory authorities.

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.