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

Product Name: PowerNox™ 1076  
Chemical Name: Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate

**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**

**Hazard description:** not applicable

**Information pertaining to particular dangers for man and environment:**

not applicable

**Classification system:**

The classification was made according to the latest editions of the EU-lists, and expanded using company data and specialized literature

**SECTION 3: Composition/information on ingredients**

**Chemical characterization:**

**CAS No. Description:**

2082-79-3 Octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionat

**Identification number(s):**

**EINECS Number:** 218-216-0

**SECTION 4: First aid measures**

**General information:** If symptoms persist or in case of doubt seek medical advice.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Wash with water and soap and rinse with plenty of water.

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**After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor.

**After swallowing:** Rinse out mouth and then drink plenty of water. If symptoms occur or after swallowing of larger quantities consult a doctor.

**Information for doctor:**

**Treatment:** Symptomatic treatment

### SECTION 5: Firefighting measures

**Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Use fire fighting measures that suit the environment.

**Special hazards caused by the material, its products of combustion or resulting gases:**  
Dangerous decomposition product see chapter 10: stability and reactivity

**Protective equipment:**  
Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

**Person-related safety precautions:**  
Wear protective clothing.  
Ensure adequate ventilation  
Avoid formation of dust.

**Measures for environmental protection:**  
No special measures required.

**Measures for cleaning/collecting:**  
Pick up mechanically.  
Send for recovery or disposal in suitable receptacles.

### SECTION 7: Handling and storage

**Handling**

**Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of dust.

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Any deposit of dust which cannot be avoided must be regularly removed.

**Information about protection against explosions and fires:**

Dust can combine with air to form an explosive mixture.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges

**Storage**

**Requirements to be met by storerooms and receptacles:**

Store container tightly sealed at a cool and dry place with sufficient ventilation.

**Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from feed.

**Further information about storage conditions:** None.



**Storage class** 11 Combustible solids

### SECTION 8: Exposure Controls/Personal Protection

**Additional information about design of technical systems:**

No further data; see item 7.

**Components with limit values that require monitoring at the workplace:**

Not required.

**Additional information:**

The lists that were valid during the creation were used as basis.

**Personal protective equipment**

**General protective and hygienic measures:**

The usual precautionary measures should be adhered to when handling chemicals.

Wash hands before breaks and at the end of work.

**Breathing equipment:**

Not required.

**Protection of hands:**

At longer contact: protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning

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**Material of gloves:**

agents and skin cosmetics.

For undissolved solid substances following materials may be suitable:

Nitrile rubber, NBR

Butyl rubber, BR

Polychloroprene rubber (CR)

Fluorocarbon rubber (FKM)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Adjust selection of glove material to the other substances used.

**Penetration time of glove material:**

The exact break-through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Not required.

**Body protection:**

Protective work clothing.

### SECTION 9: Physical and Chemical Properties

**General Information**

**Form:** Powder

**Granulate**

**Colour:** White

slightly yellowish

**Odour:** Characteristic

**Change in condition:**

**Melting point/Melting range:** 49-54°C

**Boiling point/Boiling range:** undetermined

**Flash point:** 273°C

**Flammability (solid, gaseous)** Product is not flammable.

**Ignition temperature:**

**Decomposition temperature:** > 220°C

**Danger of explosion:** Product is not explosive. However, formation of explosive air/dust mixtures is possible.

**Density at 20°C:** 1.02 g/cm<sup>3</sup>

**Solubility in / Miscibility with**

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**Water at 20°C:** 0.000028 g/l  
**Segregation coefficient (n-octanol/water):** > 6 log POW calculated

### SECTION 10: Stability And Reactivity

**Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

To avoid thermal decomposition do not overheat.

**Materials to be avoided:**

Strong oxidants

Strong acids

Strong bases

**Dangerous reactions:**

As the product is supplied it is not capable of dust explosion; however enrichment with fine dust causes risk of dust explosion

**Dangerous products of decomposition:**

In the case of fire or at high temperatures the formation of the following decomposition products is possible.

Carbon monoxide and carbon dioxide

### SECTION 11: Toxicological Information

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

Oral LD50 > 5000 mg/kg (rat)

Dermal LD50 > 2000 mg/kg (rabbit)

**Primary irritant effect:**

**on the skin:** No irritating effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

### SECTION 12: Ecological Effects

**Information about elimination (persistence and degradability):**

**Other information:** Inherently biodegradable



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**Ecotoxicological effects:**

**Aquatic toxicity:**

EC50/24h > 100 mg/l (daphnia magna)

LC50/96h > 100 mg/l (bluegill sunfish)

**General notes:**

Generally not hazardous for water.

### SECTION 13: Disposal considerations

**Product:**



**Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal according to instructions of local authorities.

**Uncleaned packagings:**

**Recommendation:**

Disposal must be made according to official regulations

### SECTION 14: Transport Information

**Land transport ADR/RID (cross-border)**

**ADR/RID class:**

No hazardous good according to the regulation.

**Maritime transport IMDG:**

**IMDG Class:**

No hazardous good according to the regulation.

**Air transport ICAO-TI and IATA-DGR:**

**ICAO/IATA Class:**

No hazardous good according to the regulation.

### SECTION 15: Regulatory Information

**Markings according to EC guidelines:**

The substance(product) is not subject to classification according to EC-directives and other sources of literature known to us.

Observe the general safety regulations when handling chemicals

**National regulations**

**Water hazard class:**

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Not hazardous for water

### 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.