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

Product Name: PowerNox™ 3114

**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 Classification**

Not a hazardous substance or mixture.

**GHS Label elements, including precautionary statements**

Not a hazardous substance or mixture.

**Physical and chemical hazards**

Referring to current information, no physical or chemical hazard.

**Health hazards**

Referring to current information, no health hazard.

**Environmental hazards**

Referring to current information, no environmental hazard.

**Other hazards**

none

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

Substance/mixture: Substance

**Substances**

Molecular weight : 784.08 g/mol

CAS-No. : 27676-62-6

No components need to be disclosed according to the applicable regulations.

**SECTION 4: First aid measures**

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**Description of first-aid measures****If inhaled**

After inhalation: fresh air.

**In case of skin contact**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**In case of eye contact**

After eye contact: rinse out with plenty of water. Remove contact lenses.

**If swallowed**

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

**Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**Indication of any immediate medical attention and special treatment needed**

No data available

**Notes to physician**

No data available

**SECTION 5: Firefighting measures****Extinguishing media****Suitable extinguishing media**

Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder

**Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

**Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

**Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

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

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

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For personal protection see section 8.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

**Reference to other sections**

For disposal see section 13.

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

For precautions see section 2.2.

**Conditions for safe storage, including any incompatibilities****Storage conditions**

Tightly closed. Dry.

**Storage stability**

Recommended storage temperature

2 - 8 °C

**Storage class**

Storage class (TRGS 510): 11: Combustible Solids

**SECTION 8: Exposure Controls/Personal Protection****Control parameters**

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

**Exposure controls****Appropriate engineering controls**

Change contaminated clothing. Wash hands after working with substance.

**Personal protective equipment****Eye/face protection**

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

**Skin protection**

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124

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Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatril® L

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatril® L

### Respiratory protection

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

### Control of environmental exposure

Do not let product enter drains.

## SECTION 9: Physical and Chemical Properties

|  |                                   |
|--|-----------------------------------|
| Appearance                                   | Form: solid                       |
| Odor   | No data available                 |
| Odor Threshold                               | No data available                 |
| pH   | No data available                 |
| Melting point/freezing point                 | Melting point/range: 218 - 220 °C |
| Initial boiling point/ boiling range         | No data available                 |
| Flash point                                  | No data available                 |
| Evaporation rate                             | No data available                 |
| Flammability (solid,gas)                     | No data available                 |
| Upper/lower flammability or explosive limits | No data available                 |
| Vapor pressure                               | No data available                 |
| Vapor density                                | No data available                 |
| Density                                      | No data available                 |
| Relative density                             | No data available                 |
| Water solubility                             | No data available                 |
| Partition coefficient:n-octanol/water        | No data available                 |
| Autoignition temperature                     | No data available                 |
| Decomposition temperature                    | No data available                 |

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Viscosity

No data available

Explosive properties

No data available

Oxidizing properties

none

**Other safety information**

No data available

### SECTION 10: Stability And Reactivity

**Chemical stability**

The product is chemically stable under standard ambient conditions (room temperature) .

**Possibility of hazardous reactions**

No data available

**Conditions to avoid**

no information available

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

In the event of fire: see section 5

### SECTION 11: Toxicological Information

**Information on toxicological effects**

**Acute toxicity**

LD50 Oral - Rat - > 5,000 mg/kg

Remarks: (RTECS)

Inhalation: No data available

Dermal: No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**Reproductive toxicity**

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No data available

**Specific target organ toxicity - single exposure**

No data available

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available

**Additional Information**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## SECTION 12: Ecological Effects

**Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Endocrine disrupting properties**

No data available

**Other adverse effects**

No data available

## SECTION 13: Disposal considerations

**Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.

## SECTION 14: Transport Information

**ADR/RID**

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Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

### SECTION 15:Regulatory Information

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

**National regulatory information**

**Other regulations**

Please pay attention on the waste treatment should also comply with local regulations requirement.

### 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.