

Version 6.3P

Page 1 / 7

Revision Date 28,02,2023

SECTION 1: Identification of the substance/mixture and of the company

Product Name: PowerStab™ 945
Manufacturer: Tintoll Performance Materials Co.,Ltd.
Post Address: A703,No.50 Jialingjiang East St,Nanjing,China
Email: SDS@TinToll.com
Emergency Telephone Number: +86-25-8468-0091
Use of Substance: For Industrial Use

SECTION 2: Hazardous identification**Classification according to Regulation (EC) No 1272/2008[CLP]**

Eye irritation, Category 2; H319

Hazardous to the aquatic environment, Chronic Category 3; H412

Classification according to Directive 67/548/EEC[DSD] or Directive 1999/45/EC[DPD]

Xi; R36

R52/53

Additional information

Full text of R-phrase(s)/H-statement(s): see SECTION 16.

Label elements**Labelling according to Regulation (EC) No 1272/2008[CLP]**

Hazard pictogram(s)



Signal word

Warning

Hazard statement(s)

H319: Causes serious eye irritation.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s)**Prevention**

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear eye protection/face protection.

Response

Version 6.3P

Page 2 / 7

Revision Date 28,02,2023

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

Disposal

P501: Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard information (EUH)

No information available.

Special rules for supplemental label elements for certain mixtures

No information available.

Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Component	Purity	CAS No.	Index No.
N,N'-1,6-hexanediylbis (N-(2,2,6,6-tetramethyl-piperidin-4-yl)-formamide	100%	124172-53-8	616-061-00-7

SECTION 4: First aid measures**General advice**

In all cases of doubt, or when symptoms persist, seek medical attention.

If inhaled

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.

If on skin

Wash with soap and plenty of water. If skin irritation occurs: Get medical attention.

If in eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

If swallowed

Rinse mouth. Never give anything through mouth to an unconscious person. Call a POISON Center or doctor if you feel unwell.

Most Important Symptoms and Effects, both Acute and Delayed

Causes serious eye irritation.

Indication of Any Immediate Medical Attention and Special Treatment Needed

No information available.

SECTION 5: Firefighting measures

Version 6.3P

Page 3 / 7

Revision Date 28,02,2023

Extinguishing media**Suitable Extinguishing Media**

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

No information available.

Specific Hazards Arising from the Substance or Mixture

In case of heat or fire, may lead to release of irritating or toxic gases/vapors: carbon oxides, nitrogen oxides (NOx).

Advice for Firefighters

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

Refer to SECTION 8 for personal protective equipment. Prevention of skin and eye contact. Ensure adequate ventilation. Remove all sources of ignition.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other SECTIONS

See SECTION 7 for information on safe handling.

See SECTION 8 for information on personal protection equipment.

See SECTION 13 for information on disposal.

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

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Use this material with adequate ventilation. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

Version 6.3P

Page 4 / 7

Revision Date 28,02,2023

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure Controls/Personal Protection

Control parameters

Occupational exposure limit values

Not established.

DNEL (Derived No Effect Level) for workers and the general population

Not available.

PNEC (Predicted No Effect Concentration) values

Not available.

Exposure controls

Appropriate engineering controls

Provide local exhaust or process enclosure ventilation system.

Personal protective equipment

Eye and face protection

Safety goggle.

Skin protection

Chemical resistant gloves and protective clothing.

Respiratory protection

Suitable dusk mask is recommended where dust arises from use.

SECTION 9: Physical and Chemical Properties

Appearance:	White solid.
Odour:	No data available.
pH:	No data available.
Melting point:	157.3 °C
Boiling point:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	Non flammable.
Upper/lower flammability or Explosive limits:	No data available.
Vapour pressure:	0.00004 Pa (100.6 °C)
Relative density:	1.08 (20 °C)
Solubility(ies):	Very soluble in water: 13000 mg/L (25 °C)
Partition coefficient:	n-octanol/water: No data available.

Version 6.3P	Page 5 / 7	Revision Date 28,02,2023
--------------	------------	--------------------------

Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidising properties:	No data available.

SECTION 10: Stability And Reactivity

Reactivity

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

Chemical stability

Stable under normal conditions of use.

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

Static discharges.

Incompatible materials

Strong oxidizing agents and strong acids.

Hazardous decomposition products

Carbon oxides, nitrogen oxides (NOx).

SECTION 11: Toxicological Information

Acute toxicity	Oral, LD50	> 2200 mg/kg bw
	Inhalation, LC50	> 5 mg/L/4h
	Dermal, LD50	No data available.
Skin corrosion/irritation		No information available.
Serious eye damage/irritation		Causes serious eye irritation.
skin sensitization		No information available.
Germ cell mutagenicity		No information available.
Carcinogenicity		No information available.
Reproductive toxicity:		No information available.
STOT-single exposure:		No information available.
STOT-repeated exposure:		No information available.
Aspiration hazard:		No information available.

SECTION 12: Ecological Effects

Toxicity

Ecotoxicity

Version 6.3P	Page 6 / 7	Revision Date 28,02,2023
--------------	------------	--------------------------

Fish, LC50: > 100 mg/L/96h (Brachydanio rerio (new name: Danio rerio))

Crustacea, EC50: 92.1 mg/L/48h (Daphnia magna)

Algae, EC50: 298 mg/L/72h (Desmodesmus subspicatus)

Persistence and degradability

No information available.

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

Other adverse effects

No information available.

SECTION 13: Disposal considerations

Waste disposal of substance

Disposal must be made according to local and national regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION 14: Transport Information

ADR	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
RID	Not regulated as dangerous goods.

SECTION 15: Regulatory Information

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

EU regulation

Authorisations:	No information available.
Restrictions on use:	No information available.
ELINCS:	CAS# 124172-53-8 is listed in.
DSD (67/548/EEC):	CAS# 124172-53-8 is listed in.

Other chemical regulation

CAS No.	USA TSCA	Canada NDSL	Australia AICS	Korea ECL	Japan ENCS	China IECSC



Version 6.3P	Page 7 / 7	Revision Date 28,02,2023
--------------	------------	--------------------------

124172-53-8	Listed	Listed	Listed	Listed	Listed	Listed
-------------	--------	--------	--------	--------	--------	--------

Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this product.

SECTION 16: Other Information

Abbreviations and acronyms

CLP: EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

ELINCS: European List of Notified Chemical Substances.

DSD: Dangerous Substance Directive (67/548/EEC).

TSCA: Toxic Substances Control Act, The American chemical inventory.

NDSL: Non-Domestic Substances List, The Canadian chemical inventory.

AICS: The Australian Inventory of Chemical Substances.

ECL: Existing Chemicals List, the Korean chemical inventory.

ENCS: Japanese Existing and New Chemical Substances.

IECSC: Inventory of existing chemical substances in China.

Relevant R-phrases/H-statements

R36: Irritating to eyes.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Any other precaution

The information herein is made based on references, information and data available at present. It maybe revised when new information is available.

The descriptions herein are for normal handling. For special application, make safety provisions suitable to them prior to use.