

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

Product Name: PowerSorb™ 101
 Chemical Name: Ethyl4-[[methylphenylamino)methylene]amino]benzoate
 CAS-No.: 57834-33-0

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

SECTION 2: Hazardous identification**Classification of the substance or mixture****Classification according to EC Regulation No 1272/2008 (CLP)**

Acute Tox. 4; H302 Harmful if swallowed.
 Skin Sens. 1; H317 May cause an allergic skin reaction.

Classification according to directive 67/548/EEC

Xn; R22 Harmful if swallowed.
 Sens.; R43 May cause sensitisation by skin contact.

Label elements**Labelling (CLP)**

Signal word	Warning
Hazard statement(s)	
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
Precautionary statement(s)	
P261	Avoid breathing vapours/spray.
P264	Wash hands and face thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace

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P280	Wear protective gloves/protective clothing/eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water/soap.
P308+P313	IF exposed or concerned: Get medical advice/attention.
Other hazards	No risks worthy of mention.

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

Chemical characterization:	C ₁₇ H ₁₈ N ₂ O ₂
CAS-Number:	57834-33-0
EC-number:	260-976-0

SECTION 4: First aid measures**Description of first aid measures****General information:**

Immediately remove any contaminated clothing, shoes or stockings.

In the event of discomfort seek medical treatment.

Never give an unconscious person anything through the mouth.

Remove affected person from the danger area and lay down.

In case of inhalation:

Provide fresh air. Seek medical treatment in case of troubles.

In case of skin contact:

After contact with skin, wash immediately with soap and plenty of water. Immediately remove any contaminated clothing, shoes or stockings.

Seek medical attention.

After eye contact:

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of eye irritation consult an ophthalmologist.

After swallowing:

Rinse mouth immediately and drink plenty of water. Immediately get medical attention. Do not induce vomiting without medical assistance.

In case of vomiting or danger of unconsciousness, place and transport the injured person in recovery position.

Most important symptoms and effects, both acute and delayed

Harmful if swallowed.

May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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

Water fog, foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet

Special hazards arising from the substance or mixture

Combustible. In case of fire may be liberated: Carbon monoxide and carbon dioxide, nitrogen oxides (NO_x).

Advice for firefighters**Special protective equipment for firefighters:**

Wear self-contained breathing apparatus. Wear suitable protective clothing.

Additional information:

Hazchem-Code: -

Do not allow fire water to penetrate into surface or ground water.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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

Advices on safe handling:

Avoid contact with the substance. Provide adequate ventilation, and local exhaust as needed. Do not breathe vapours. Wear protective equipment.

Conditions for safe storage, including any incompatibilities**Requirements for storerooms and containers:**

Store container tightly closed in a dry and cool place.

Hints on joint storage:

Keep away from food, drink and animal feedingstuffs.

Storage class:

10 = Combustible liquids, unless storage class 3

Specific end use(s)

No information available.

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

Contains no substances with occupational exposure limit values.

Exposure controls

Handle in accordance with good industrial hygiene and safety practice.

Provide good ventilation and/or an exhaust system in the work area.

When vapours form: Withdraw by suction.

Personal protective equipment**Occupational exposure controls****Respiratory protection:**

Respiratory protection in case of aerosol or vapour formation

Use filter type A (= against vapours of organic substances) according to EN 14387.

Hand protection:

Protective gloves according to EN 374.

Glove material: Nitrile rubber.

Breakthrough time: >480 min.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed goggles according to EN 166.

Wear face protection if necessary.

Body protection:

Wear suitable protective clothing.

General protection and hygiene measures:

Wash hands before breaks and after work. When using do not eat, drink or smoke. Keep away from food,

drink and animal feedingstuffs. Immediately remove any contaminated clothing, shoes or stockings.

Environmental exposure controls

Avoid release to the environment.

Do not allow to penetrate into soil, water bodies or drains.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Physical state at 20 °C and 101.3 kPa: liquid
Form:	liquid
Colour:	colourless up to light yellow
Odour	no data available
Odour Threshold	no data available
pH	no data available
Melting point/freezing point	27 - 28 °C
Initial boiling point and boiling range	no data available
Flash point/flash point range:	> 100 °C
Evaporation rate	no data available
Flammability	no data available
Explosive properties	no data available
Explosion limits:	no data available
Vapour pressure	no data available
Vapour density	no data available
Density:	at 20 °C: 1.127 g/mL
Water solubility	at 23 °C: insoluble
Partition coefficient: n-octanol/water	at 23 °C: 4.5 log P(o/w) An appreciable bioaccumulation potential is to be expected (log P(o/w) >3).
Auto-ignition temperature	no data available
Thermal decomposition	no data available
Viscosity, dynamic	at 20 °C: 3000 - 5000 mPa*s
Explosive properties	no data available
Oxidizing characteristics	no data available
Other information	
Additional information	Molar mass: 282.34 g/mol

SECTION 10: Stability And Reactivity

Reactivity

refer to 10

Chemical stability

Product is stable under normal storage conditions.

Possibility of hazardous reactions

No dangerous reactions are known.

Conditions to avoid

Keep away from sources of ignition and heat.

Incompatible materials

Strong oxidizing agents, acids, alkalis

Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide and carbon dioxide, nitrogen oxides (NOx).

Thermal decomposition:

no data available

SECTION 11: Toxicological Information**Information on toxicological effects****Acute toxicity**

LD50 Rat, oral: 1000 - 2000 mg/kg

Toxicological effects:

Acute toxicity (oral): Acute Tox. 4; H302 = Harmful if swallowed.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Skin Sens. 1; H317 = May cause an allergic skin reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

Symptoms

In case of inhalation: Can damage your health. May cause irritations.

In case of ingestion: By analogy: May be harmful if swallowed.

After contact with skin: Can damage your health. May cause irritations.

After eye contact: May cause irritations.

SECTION 12: Ecological Effects

Toxicity

Further details:

no data available

Persistence and degradability

Further details:

Biodegradability: 73 % (OECD 301)

Product is readily biodegradable

Bioaccumulative potential

Partition coefficient: n-octanol/water:

At 23 °C: 4.5 log P(o/w)

An appreciable bioaccumulation potential is to be expected (log P(o/w) >3).

Mobility in soil

no data available

Results of PBT and vPvB assessment

no data available

Other adverse effects

General information:

Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

Waste treatment methods

Product

Waste key number:

07 02 14* = wastes from additives containing dangerous substances

* = Evidence for disposal must be provided.

Recommendation:

Special waste. Dispose of waste according to applicable legislation.

Do not dispose of with household waste.

Contaminated packaging

Waste key number:

15 01 10 = packaging containing residues of or contaminated by dangerous substances

Recommendation:

Dispose of waste according to applicable legislation.

Handle contaminated packages in the same way as the substance itself.

SECTION 14:Transport Information

UN number

ADR/RID, IMDG, IATA: Not applicable

UN proper shipping name

ADR/RID, IMDG, IATA: Not restricted

Transport hazard class(es)

ADR/RID, IMDG, IATA: Not applicable

Packaging group

ADR/RID, IMDG, IATA: Not applicable

Environmental hazards

Marine pollutant: No

Special precautions for user

No dangerous good in sense of these transport regulations.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

SECTION 15:Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1272/2008(CLP).

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

no data available

Chemical Safety Assessment

no data available

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.