

SAFETY DATA SHEET



Laundry detergent

Version 1.0

Revision Date 2016/01/19

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Laundry detergent

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Laundry

1.3 Details of the supplier of the safety data sheet

Company:

BDT Chemical Technology (Shanghai) CO.,LTD
Room 402, No.1306, Shiji Avenue, Shanghai, China.
Telephone: +86 21 31606366
E-mail address: service@51ghs.com

1.4 Emergency telephone number

International emergency number:

Telephone: +86 21 31606366

2. Hazards Identification

2.1. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008 [CLP]

Acute Tox. (oral)	4
Skin Irrit.	2
Eye Dam.	1
Res. Sens.	1

2.2. Label elements

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According to Regulation (EC) No 1272/2008 [CLP]

Pictogram:



Signal Word:

Danger

Hazard Statement:

H302	Harmful if swallowed.
H315	Causes skin irritation
H318	Causes serious eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary Statements (Prevention):

P264	Wash exposed skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves.
P261	Avoid breathing dust/fume/gas/mist/ vapors/spray.
P284	[In case of inadequate ventilation] wear respiratory protection.

Precautionary Statements (Response):

P301 + P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330	Rinse mouth.
P302 + P352	IF ON SKIN: Wash with plenty water
P321	Specific treatment (see section 4 on this SDS)
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P304 + P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.

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P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

According to Regulation (EC) No 1272/2008 [CLP]

No specific dangers known, if the regulations/notes for storage and handling are considered.

SECTION 3:Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Registration number	Classification according Regulation 1272/2008 (CLP)	Concentration
Sodium dodecylbenzenesulfonate (CAS-No. 25155-30-0) (EC-No. 246-680-4)		
	Acute Tox. 4,H302 Acute Tox. 4,H312 Eye Irrit. 2,H319	15.0-30.0%
Sodium dodecyl sulphate (CAS-No. 151-21-3) (EC-No. 205-788-1)		
	Acute Tox. 4,H302 Skin Irrit. 2,H315 Eye Irrit. 2, H319	15.0-30.0%
Alcohols, C12-15, ethoxylated (CAS-No. 68131-39-5) (EC-No. 500-195-7)		
	Skin Irrit. 2 H315 Eye Dam. 1,H318 Aquatic Acute 1,H400	15.0-30.0%
Sodium polyacrylate (CAS-No. 9003-04-7)		

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		5.0-10.0%
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Polyvinylpyrrolidone (CAS-No. 9003-39-8)

		5.0-10.0%
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Subtilisin (CAS-No. 9014-01-1) (EC-No. 232-752-2)

	Skin Irrit. 2,H315 Eye Dam. 1,H318 Resp. Sens. 1,H334 STOT SE 3,H335	1.5-3.0%
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Cellulase (CAS-No. 9012-54-8) (EC-No. 232-734-4)

	Resp. Sens. 1,H334	1.5-3.0%
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Fragrance

		3.0-5.0%
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Lipase, triacylglycerol (CAS-No. 9001-62-1) (EC-No. 232-619-9)

	Resp. Sens. 1,H334	1.5-3.0%
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DYE

		0.1-1.0%
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SECTION 4: First-Aid Measures

4.1. Description of first aid measures

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed

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Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide, dry powder.

5.2. Special hazards arising from the substance or mixture

carbon oxides, sulfur dioxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

5.3. Advice for fire-fighters

Special protective equipment:

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

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe vapor/spray. Avoid contact with the skin, eyes and clothing. Use personal protective clothing.

Information regarding personal protective measures see, section 8.

6.2. Environmental precautions

Do not discharge into drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up with inert absorbent material (e.g. sand, earth etc.). Sweep/shovel up. Correctly dispose of recovered product immediately. Do not discharge into drains/surface waters/groundwater.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Do not breathe vapors or spray mist. Use product only in closed system. Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Segregate from flammable substances. Segregate from peroxides. Segregate from strong oxidizing agents. Segregate from self-heating substances.

7.3. Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

No data available

8.2. Exposure controls

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapor/aerosol release.

Hand protection:

Chemical resistant protective gloves (EN 374)

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures

Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing. Wash contaminated clothing before re-use.

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SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form:	liquid
Color:	multicolor
Odor:	specific
Odor threshold:	not determined
pH value:	not determined
Melting point:	no data available
Boiling point:	no data available
Flash point:	no data available
Evaporation rate:	not determined
Lower explosion limit:	not determined.
Upper explosion limit:	not determined.
Ignition temperature:	no data available
Density:	no data available
Relative density:	no data available
Relative vapor density (air):	not determined
Solubility in water:	soluble
Partitioning coefficient n-octanol/water (log Kow):	not applicable for mixtures
Self ignition:	not self-igniting
Viscosity, dynamic:	no data available
Explosion hazard:	there is no indicating of explosive properties.
Fire promoting properties:	the product is not classified as oxidizing.

SECTION 10: Stability and Reactivity

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

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10.2. Chemical stability

The product is chemically stable.

10.3. Possibility of hazardous reactions

The product is chemically stable.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Substances to avoid:

oxidizing agents

10.6. Hazardous decomposition products

Possible thermal decomposition products:

carbon oxides, sulfur dioxide, nitrogen oxides

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Acute oral toxicity:

Sodium dodecylbenzenesulfonate: LD50(rat): 500-2000mg/kg

Sodium dodecyl sulphate: LD50(rat): 1427 mg/kg bw

Alcohols, C12-15, ethoxylated: LD50(rat): > 5000 < 10000 mg/kg bw

Acute inhalation toxicity

Sodium dodecylbenzenesulfonate: LC50(rat) 4h: 310 mg/m³ air

Sodium dodecyl sulphate: no data available

Alcohols, C12-15, ethoxylated: LC50(rat) 4h: > 1.6 mg/L air

Acute dermal toxicity.

Sodium dodecylbenzenesulfonate: LD50(rat): >2000mg/kg

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Sodium dodecyl sulphate: LD50(rabbit): ca. 200 mg/kg bw

Alcohols, C12-15, ethoxylated: LD50(rat): >2000mg/kg

Skin Irritation

Assessment of irritating effects:

Causes skin irritation.

Eye irritation

Assessment of irritating effects:

Causes serious eye damage.

Respiratory/Skin sensitization

Assessment of sensitization:

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Assessment of mutagenicity:

No data available

Carcinogenicity

Assessment of carcinogenicity:

No data available

Reproductive toxicity

Assessment of reproduction toxicity:

No data available

Developmental toxicity

Assessment of teratogenicity:

No data available.

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Specific target organ toxicity (single exposure)

Assessment of STOT single:

No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No data available

Aspiration hazard

No data available.

Other relevant toxicity information

The product has not been tested. The statement has been derived from the properties of the individual components. The product has been assessed on the basis of the components' available data. According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

SECTION 12: Ecological Information

12.1. Toxicity

Assessment of aquatic toxicity:

Alcohols, C12-15, ethoxylated: LC50/96h Pleuronectes platessa. :0.59 mg/L

12.2. Persistence and degradability

Assessment biodegradation and elimination (H2O):

No data available.

Assessment of stability in water:

No data available.

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

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No data available.

12.4. Mobility in soil

Assessment transport between environmental compartments:

No data available.

12.5. Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT (Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative). Self classification

12.6. Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

12.7. Additional information

Other ecotoxicological advice:

The product has not been tested. The statement has been derived from the properties of the individual components. The product has been assessed on the basis of the components' available data. According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Dispose of in accordance with national, state and local regulations.

Contact specialized companies about recycling.

Contaminated packaging:

Dispose of in accordance with national, state and local regulations.

Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

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SECTION 14: Transport Information

Land transport

ADR

UN number UN1760
UN proper shipping name: CORROSIVE LIQUID, N.O.S.
Transport hazard class(es): 8
Packing group: III
Environmental hazards: no

RID

UN number UN1760
UN proper shipping name: CORROSIVE LIQUID, N.O.S.
Transport hazard class(es): 8
Packing group: III
Environmental hazards: no

Inland waterway transport

ADN

UN number UN1760
UN proper shipping name: CORROSIVE LIQUID, N.O.S.
Transport hazard class(es): 8
Packing group: III
Environmental hazards: no

Sea transport

IMDG

UN number: UN1760
UN proper shipping name: CORROSIVE LIQUID, N.O.S.
Transport hazard class(es): 8
Packing group: III

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Air transport

IATA/ICAO

UN number:	UN1760
UN proper shipping name:	CORROSIVE LIQUID, N.O.S.
Transport hazard class(es):	8
Packing group:	III

14.1. UN number

See corresponding entries for "UN number" for the respective regulations in the tables above.

14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

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SECTION 15:Regulatory Information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2. Chemical Safety Assessment

Chemical Safety Assessment not yet performed due to registration timelines. Exposure scenarios for the mixture can not be provided at the moment because exposure scenarios are not yet available for all relevant substances due to registration timelines. For advice on essential measures see sections 7 and 8 of this safety data sheet.

SECTION 16: Other Information

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.
