



SUDSDOWN®

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Version: 7.0

SECTION 1: Identification

Identification

Product form : Mixture
Product name : SUDSDOWN®
Product code : 111003

Recommended use and restrictions on use

Recommended use : Floor cleaning (liquids), General Purpose Cleaner

Product dilution information: Dilution Range: 1:32

Supplier

BHC, Inc.
P.O. Box 270
Indianapolis, IN 46206 - USA
T 1.800.776.7149 - F 317.925.4596

Emergency telephone number

Emergency number : CHEMTREC: 1.800.424.9300 or CHEMTREC (International)
1.703.527.3887

SECTION 2: Hazard(s) identification

Classification of the substance or mixture

GHS-US classification

Skin corrosion/irritation, Category 2 Causes skin irritation.
Serious eye damage/eye irritation, Category 1 Causes serious eye damage.
Skin sensitisation, Category 1 May cause an allergic skin reaction.

GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US)



Signal word (GHS US): Danger
Hazard statements (GHS US): Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.

Precautionary statements (GHS US)

Prevention:

Avoid breathing mist. Wear eye protection, protective gloves. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor, a POISON CENTER. . IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Disposal:

Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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Product Use-Dilution

Hazard statements (GHS US): This product is not hazardous as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Other hazards which do not result in classification

Other hazards not contributing to the classification : Keep out of the reach of children. Store away from. Incompatible materials. Do not freeze.

Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

Name	Product identifier	Weight (%)
TETRAPOTASSIUM PYROPHOSPHATE	(CAS-No.) 7320-34-5	1 - 5
PENTASODIUM TRIPHOSPHATE	(CAS-No.) 7758-29-4	1 - 5
Alcohols, C6-12-ethoxylated propoxylated	(CAS-No.) 68937-66-6	1 - 5
Ethanolamine	(CAS-No.) 141-43-5	1 - 5
D-limonene	(CAS-No.) 5989-27-5	0.1 - 1

Product Use-Dilution

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200

SECTION 4: First-aid measures

Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

Product Use-Dilution

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction. irritation (itching, redness, blistering).
Symptoms/effects after eye contact : Serious damage to eyes. redness, itching, tears. stinging. May cause severe irreversible damage.

Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Specific hazards arising from the chemical

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

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Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Avoid contact with skin. Do not get in eyes.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment.

Environmental precautions

Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

Product Use-Dilution

Methods for cleaning up : Take up liquid spill into absorbent material.

Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Avoid breathing mist. Do not get in eyes. Avoid contact with skin. Do not mix with other chemicals.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Product Use-Dilution

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Keep out of the reach of children. Do not freeze.

SECTION 8: Exposure controls/personal protection

Control parameters

TETRAPOTASSIUM PYROPHOSPHATE (7320-34-5)

Not applicable

Alcohols, C6-12-ethoxylated propoxylated (68937-66-6)

Not applicable

Ethanolamine (141-43-5)

ACGIH

Local name

Ethanolamine

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ACGIH	ACGIH TWA (ppm)	3 ppm
ACGIH	ACGIH STEL (ppm)	6 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: Eye & skin irr
ACGIH	Regulatory reference	ACGIH 2020
OSHA	OSHA PEL (TWA) (mg/m³)	6 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	3 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

D-limonene (5989-27-5)

Not applicable

PENTASODIUM TRIPHOSPHATE (7758-29-4)

Not applicable

Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountain with clean water.
- Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

No respiratory protection needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment

Product Use-Dilution

- Hand protection** : Not required
- Eye protection** : If a risk assessment indicates this is necessary, safety glasses are recommended.
- Skin and body protection** : Wear suitable protective clothing
- Respiratory protection** : No respiratory protection needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : clear.
- : pink

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	: Citrus
Odour threshold	: No data available
pH	: 11.97
Melting point	: 32 °F
Freezing point	: 0 °C
Boiling point	: No data available
Flash point	: Does Not Flash
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: 100 %
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
VOC content	: 1.79 % Less Exempts and Water

Product Use-Dilution

Physical state	: Liquid
Colour (SDS US)	: pink
Odour (SDS US)	: Citrus
Flash point	: Does Not Flash
VOC content	0.05 % Less Exempts and Water

SECTION 10: Stability and reactivity

Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

None under recommended storage and handling conditions (see section 7). Do not mix with other chemicals. Do not freeze.

Incompatible materials

Acids. Oxidizing agent.

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Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

ATE US (oral)	> 5000 mg/kg
ATE US (dermal)	> 5000 mg/kg
ATE US (gases)	>20,000 ppm/4h
ATE US (vapours)	>20 mg/l/4h
ATE US (dust,mist)	>5 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
pH: 11.97
Serious eye damage/irritation : Causes serious eye damage.
pH: 11.97
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Product Use-Dilution

ATE US (oral)	> 5000 mg/kg
ATE US (dermal)	> 5000 mg/kg
ATE US (gases)	>20,000 ppm/4h
ATE US (vapours)	>20 mg/l/4h
ATE US (dust,mist)	>5 mg/l/4h

D-limonene (5989-27-5)

IARC group	3 - Not classifiable
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Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction. irritation (itching, redness, blistering).
Symptoms/effects after eye contact : Serious damage to eyes. redness, itching, tears. stinging. May cause severe irreversible damage.

SECTION 12: Ecological information

Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Persistence and degradability

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TETRAPOTASSIUM PYROPHOSPHATE (7320-34-5)

Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable (inorganic)
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

Ethanolamine (141-43-5)

Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.8 g O ₂ /g substance
Chemical oxygen demand (COD)	1.34 g O ₂ /g substance
ThOD	2.49 g O ₂ /g substance
BOD (% of ThOD)	0.32

D-limonene (5989-27-5)

Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O ₂ /g substance

PENTASODIUM TRIPHOSPHATE (7758-29-4)

Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

Bioaccumulative potential

TETRAPOTASSIUM PYROPHOSPHATE (7320-34-5)

Bioaccumulative potential	Not bioaccumulative.
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Ethanolamine (141-43-5)

BCF other aquatic organisms 1	2.3 - 9.2 (BCFWIN, Calculated value)
Log Pow	-1.91
Bioaccumulative potential	Not bioaccumulative.

D-limonene (5989-27-5)

BCF fish 1	864.8 - 1022 (Pisces, QSAR, Fresh weight)
Log Pow	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log K _{ow} ≤ 5).

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PENTASODIUM TRIPHOSPHATE (7758-29-4)

Bioaccumulative potential	Not bioaccumulative.
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Mobility in soil

TETRAPOTASSIUM PYROPHOSPHATE (7320-34-5)

Surface tension	Not applicable (solid)
Ecology - soil	No (test)data on mobility of the substance available.

Ethanolamine (141-43-5)

Surface tension	0.05 N/m
Log Koc	1.16 (log Koc, Calculated value)
Ecology - soil	No (test)data on mobility of the substance available.

D-limonene (5989-27-5)

Ecology - soil	Adsorbs into the soil.
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Other adverse effects

No additional information available

SECTION 13: Disposal considerations

Disposal methods

Waste treatment methods : Dispose of in accordance with relevant local regulations.

Product Use-Dilution

Waste treatment methods : Dispose of in accordance with relevant local regulations.

SECTION 14: Transport information

US - DOT

Not regulated for transport

International shipping – IMDG

Not regulated for transport

International – IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Alcohols, C6-12-ethoxylated propoxylated (68937-66-6)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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15.2. International regulations

CANADA

TETRAPOTASSIUM PYROPHOSPHATE (7320-34-5)

Listed on the Canadian DSL (Domestic Substances List)

Alcohols, C6-12-ethoxylated propoxylated (68937-66-6)

Listed on the Canadian DSL (Domestic Substances List)

Ethanolamine (141-43-5)

Listed on the Canadian DSL (Domestic Substances List)

D-limonene (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

PENTASODIUM TRIPHOSPHATE (7758-29-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

D-limonene (5989-27-5)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

D-limonene (5989-27-5)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Ethanolamine(141-43-5)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
PENTASODIUM TRIPHOSPHATE(7758-29-4)	U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.