

Safety Data Sheet
acc. to OSHA HCS (29 CFR 1910.1200)

Spee Dee Clean

Revision: 11/1/2017

1. Identification

Product identifier

Product name: Spee Dee Clean

Product number: SPD

Recommended use and restriction on use

Recommended use: Degreaser

Restrictions on use: No relevant information available.

Details of the supplier of the Safety Data Sheet

Verax Chemical Company
20102 Broadway Ave
Snohomish, WA 98296
Tel: 360-668-2431

Emergency telephone number

USA: (800) 535-5053 International: +1 (352) 323-3500

2. Hazard(s) identification

Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Hazard class and category		Hazard statement code(s)
Skin corrosion/irritation	Cat 1. Sub. Cat. B	H314
Serious eye damage/eye irritation	Cat. 1.	H318/H319

Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200) Hazard pictograms

Signal word: Danger

Pictograms



GHS05

Hazard statements

H314 Causes severe skin burns and eye damage

Precautionary statements – prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statements – 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 POISON CENTER or doctor

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

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IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor/physician.

Precautionary statements – storage

Store locked up.

Precautionary statements – disposal

Dispose of contents/container to an approved waste disposal plant

Hazardous ingredients for labeling

Octamethylcyclotetrasiloxane, Distillates (petroleum), hydrotreated light

Other hazards There are no other hazards not otherwise classified that have been identified.

3. Composition/information on ingredients

Chemical Name	CAS No.	Weight %
Potassium hydroxide	1310-58-3	1-10
Glycol Ether EB	111-76-2	<5
Sodium hydroxide	1310-73-2	<5
Sodium Silicate	1344-09-8	<5

Additional information:

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4. First-aid measures

Description of first aid measures

General Advice

Immediately call a poison center or doctor/physician.

Inhalation

Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor/physician.

Skin Contact

Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

Ingestion

Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

May be harmful if swallowed. Causes severe skin burns and eye damage.

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Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing agents

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing agents: Not determined.

Special hazards arising from the substance or mixture

Not determined.

Advice for firefighters

Protective equipment:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required.

Environmental precautions

Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for clean-up

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 disposal information.

7. Handling and storage

Precautions for safe handling

Recommendations

Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection.

Information about protection against explosions and fires: No special measures required.



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Conditions for safe storage, including any incompatibilities

Storage Conditions

Store locked up.

Requirements to be met by storerooms and receptacles

None

Incompatible substances or mixtures

None known based on information supplied.

Specific end use(s): No relevant information available.

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Chemical Name	CAS No.	Type	[ppm]	[mg/m ³]
Potassium hydroxide	1310-58-3		-	2
Glycol Ether EB	111-76-2	TWA	50	240
Sodium Hydroxide	1310-73-2	TWA	-	2

US. ACGIH Threshold Limit Values

Chemical Name	CAS No.	Type	[ppm]	[mg/m ³]
Potassium Hydroxide	1310-58-3	Ceiling	-	2
Glycol Ether EB	111-76-2	TWA	20	
Sodium Hydroxide	1310-73-2	Ceiling	-	2

US. NIOSH: Pocket Guide to Chemical Hazards

Chemical Name	CAS No.	Type	[ppm]	[mg/m ³]
Potassium Hydroxide	1310-58-3	Ceiling	-	2
Glycol Ether EB	111-76-2	TWA	5	24
		IDLH	700	-
Sodium Hydroxide	1310-73-2	IDLH	-	10
		Ceiling	-	2

Notation

PEL Permissible exposure limit.

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified.

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average.

IDLH Immediately Dangerous to Life or Health

Exposure controls

Appropriate engineering controls

General ventilation.

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Individual protection measures, such as personal protective equipment

General protective and hygienic measures

The usual precautionary measures for handling chemicals should be followed. Avoid contact with the eyes. Keep away from foodstuffs, beverages and feed.

Eye/face protection

Not required for normal handling. Wear protective eyewear while handling damaged or leaking product. Follow relevant national guidelines concerning the use of protective eyewear.

Skin and body protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Other protection measures

Take recovery periods for skin regeneration. Preventative skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

Not required under normal conditions of use.
In case of inadequate ventilation wear respiratory protection.
For spills, respiratory protection may be advisable.

Limitation and supervision of exposure into the environment

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

Risk management measures No special requirements.

9 Physical and chemical properties

Information on physical and chemical properties

Appearance

Form	Liquid
Color	Clear, amber
Odor	Mild
Odor threshold	Not determined
pH	13
Melting point/freezing point	0°C (32°F)
Boiling point/boiling point range	104.4°C (220°F)
Flash point	Not available
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Flammability (solid, gas)	Liquid – Not applicable
Upper/lower flammability or explosive limits	
Flammability limit – lower (%)	Not determined
Flammability limit – upper (%)	Not determined

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Explosive limit – lower (%)	Not determined
Explosive limit – upper (%)	Not determined
Vapor Pressure at 20°C (68°F)	Not determined
Density at 20°C (68°F)	Not determined
Relative density	1.12
Vapor density	Not determined
Evaporation rate	Not determined
Solubility(ies)	
Solubility (water)	Fully miscible
Partition coefficient (n-octanol/water)	Not available
Viscosity	Not available
Other information	No relevant information available

10 Stability and reactivity

Reactivity

Not reactive under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Keep out of reach of children.

Incompatible materials

None known based on information supplied.

Hazardous decomposition products

None known based on information supplied.

11 Toxicological information

Information on likely routes of exposure

Product Information

Eye Contact: Avoid contact with eyes.

Skin Contact: Avoid contact with skin.

Inhalation: Do not inhale.

Ingestion: May be harmful if swallowed.

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Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Potassium hydroxide 1310-58-3	=284 mg/kg (Rat)	-	-
Glycol Ether EB 111-76-2	=470 mg/kg (Rat)	=99 mg/kg (Rabbit)	=450 ppm (Rat) 4h
Sodium Hydroxide 64-17-5	-	=1350mg/kg (Rabbit)	-
Sodium Silicate 1344-09-8	=1960 mg/kg (Rat)	>4640 mg/kg (Rabbit)	-
Nonylphenoxypoly- (Ethyleneoxy) Ethanol 26027-38-3	=1300 mg/kg (Rat)	=1800 µL/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms: Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Causes severe skin burns.

Serious eye damage/eye irritation

Causes severe eye damage.

Carcinogenicity

Group 3 IARC components are "not classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Glycol Ether EB 11-76-2	A3	Group 3	-	-

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)	4,005.00 mg/kg
ATEmix (dermal)	10,895.00 mg/kg

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ATEmix (inhalation-dust/mist) 25.22 mg/L

12 Ecological information

Toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Chemical Name	Endpoint Value	Species	Exposure time
Potassium Hydroxide 1310-58-3	80 mg/L LC50 static	Gambusia affinis	96 h
Glycol Ether EB 111-76-2	1490 mg/L LC50 static	Lepomis macrochirus	96 h
	2950 mg/L LC50	Lepomis macrochirus	96 h
	1000 mg/L EC50	Daphnia magna	48 h
	1698 mg/L EC50	Daphnia magna	24 h
Sodium Hydroxide 1310-73-2	45.4 mg/L LC50 static	Oncorhynchus mykiss	96 h
Sodium Silicate 1344-09-8	301-478 mg/L LC50	Lepomis macrochirus	96 h
	3185 mg/L LC50 semi-static	Brachydanio rerio	96 h

Persistence and degradability

No relevant information available.

Bioaccumulative potential

No relevant information available.

Mobility in soil

Chemical Name	Partition Coefficient
Potassium hydroxide 1310-58-3	0.65
	0.83
Sodium Hydroxide 1310-73-2	0.81

Additional ecological information

General notes: None

Other adverse effects: No relevant information available.

13 Disposal considerations

Waste treatment methods

Disposal Recommendations

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.



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Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Sodium Hydroxide 1310-73-2	Toxic Corrosive
Ethyl Alcohol 64-17-5	Toxic Ignitable

14 Transport information

DOT

UN number	UN3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide, Sodium Hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II
Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling
Special provisions	None
Packaging exceptions	None
Packaging non bulk	None
Packaging bulk	None

IATA

UN number	UN3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide, Sodium Hydroxide)
Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II
Environmental hazards	No
ERG Code	
Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling
Other information	
Passenger and cargo aircraft	Allowed
Cargo aircraft only	Allowed
Packaging Exceptions	

IMDG

UN number	UN3266
UN proper shipping name	Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide, Sodium Hydroxide)



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Transport hazard class(es)	
Class	8
Subsidiary risk	-
Label(s)	8
Packing group	II
Environmental hazards	
Marine Pollutant	No
EmS	Not available
Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling
Packaging Exceptions	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15 Regulatory information

International Inventories

All ingredients are listed or exempt from listing on Chemical Substance Inventory

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Potassium Hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ
Sodium Hydroxide 1310-73-2	1000 lb	-	RQ 1000 lb final RQ RQ 454 kg final RQ

SARA 313

Chemical Name	CAS No.	Weight-%	SARA 313 – Threshold Values %
Glycol Ether EB	111-76-2	<5	1.0

CWA (Clean Water Act)

Chemical Name	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances
Potassium hydroxide	1000 lb	-	-	X
Sodium hydroxide	1000 lb			

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

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Chemical Name	New Jersey	Massachusetts	Pennsylvania
Potassium hydroxide 1310-58-3	X	X	X
Glycol Ether EB 111-76-2	X	X	X
Sodium Hydroxide 1310-73-2	X	X	X

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation / current revision: 11/1/2017 /

- Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org) Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers