



Safety Data Sheet

BOSS® 891 Hand Cleaner

Section 1. Identification

Product Identifier	BOSS® 891 Hand Cleaner		
Synonyms	89115		
Manufacturer Stock Numbers	03758WH10A		
Recommended use	Refer to Technical Information		
Uses advised against	Refer to Technical Information		
Manufacturer Contact Address	Soudal Accumetric 350 Ring Road Elizabethtown, KY, 42701 USA		
	Phone	Emergency Phone	Fax
	(270) 769-3385	(800) 424-9300 CHEMTREC	(270) 765-2412

Section 2. Hazards Identification

Classification	ACUTE TOXICITY - ORAL - Category 5 EYE DAMAGE/IRRITATION - Category 2B FLAMMABLE LIQUIDS - Category 4
Signal Word	Warning
Pictogram	
Hazard Statements	Causes eye irritation Combustible liquid May be harmful if swallowed
Precautionary Statements	
Response	Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 In case of fire: Use appropriate media (see Section 5) to extinguish.

Prevention Keep away from heat.
Storage Store in a well-ventilated place. Keep cool.
Disposal Dispose of contents/container in accordance with local, state and federal regulations.

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified
 Repeated exposure may aggravate pre-existing eye or respiratory conditions.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
1344-09-8	Sodium silicate	1% - 5%
127087-87-0	Poly(oxy-1,2-ethanediyl), alpha, -(4-nonylphenyl)-omega, -hydroxy-, branched	1% - 5%
67-63-0	Isopropanol	1% - 5%
64741-89-5	Solvent-refined light paraffinic petroleum distillate	10% - 20%
64742-47-8	Petroleum Distillate	30% - 50%
112-80-1	Oleic acid	5% - 10%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General measures In case of an accident or if not feeling well after handling product, obtain medical attention immediately. Seek medical advice if symptoms persist.

Inhalation Remove person from source of exposure and get medical attention for any breathing difficulty.

Ingestion DO NOT induce vomiting. Otherwise rinse mouth with water. Get immediate medical attention even if symptoms improve.

Skin contact Get medical advice if irritation develops.

Eye contact In case of eye contact, flush with water and get medical attention if needed.

Most important symptoms and effects, both acute and delayed Prolonged or repeated contact may dry skin and cause irritation. May cause eye irritation.

Indication of immediate medical attention and special treatment needed If exposed or otherwise concerned, seek medical attention.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use dry chemical powder, alcohol-resistant foam, or carbon dioxide. WaterSpray, butDO NOT use heavy or strong water stream, which may spread flames.
Unsuitable Extinguishing Media	DO NOT use heavy or strong water stream, which may spread flames
Special hazards arising from the substance or mixture	Flammable liquid and vapor Not an explosion hazard under normal storage and use conditions Nature of decomposition products not known
Advice for firefighters	Exercise caution when fighting any chemical fire Wear self-contained breathing apparatus for firefighting if necessary In case of major fire, evacuate area, fight fire remotely
Further information	Use water spray to cool unopened containers

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Avoid breathing vapors, mist or gas. Remove all sources of ignition. Beware of vapors accumulating in low areas to form explosive concentrations. For personal protection see section 8.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and materials for containment and cleaning up	Contain spillage. Collect with an electrically protected vacuum cleaner or by wet-brushing. Place in container for disposal according to local regulations (see section 13).
Reference to other sections	For exposure controls and personal see section 8. For disposal see section 13.

Section 7. Handling and Storage

Precautions for safe handling	Avoid inhalation of vapor or mist. Keep away from sources of ignition. NO SMOKING. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities	Store in original Container. Keep container tightly closed in a cool, dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage. If leakage occurs, dispose of in accordance with Sec. 13.
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH	OSHA	STEL
		TLV	PEL	
	Sodium silicate	N/A	N/A	N/A
	Poly(oxy-1,2-ethanediyl), alpha, -(4-nonylphenyl)-omega, -hydroxy-, branched	N/A	N/A	N/A

Isopropanol	400 ppm	400 ppm	500 ppm
Solvent-refined light paraffinic petroleum distillate	N/A	N/A	N/A
Petroleum Distillate	Not Est.	Not Est.	N/A
Oleic acid	N/A	N/A	N/A

Personal Protective Equipment

Goggles, Gloves

Note

For substances listed in Section 3, that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency to include: ACGIH (TVL), NIOSH (REL), or OSHA (PEL).

Ingredients with workplace control parameters

Isopropyl alcohol (67-63-0)
 ACGIH TWA (ppm) 200
 ACGIH STEL (ppm) 400
 NIOSH REL TWA (ppm) 400
 NIOSH REL STEL (ppm) 500
 OSHA OEL TWA (ppm) 400
 US IDLH (ppm) 2000

NIOSH REL TWA (mg/m3) 980
 NIOSH REL STEL (mg/m3) 1225
 OSHA PEL TWA (mg/m3) 980

Triethanolamine (102-71-6)
 ACGIH TWA (mg/m3) 5

Appropriate engineering controls

Emergency eye wash and shower stations should be in ready proximity of any potential exposure hazard.
 Ensure adequate ventilation is maintained in use areas.
 Ensure all National/State regulations are observed.
 Use gas detectors where flammable gases may be released.
 Use proper grounding methods to avoid static discharges.
 Use explosion-proof equipment when necessary and appropriate.

Materials for protective clothing

Chemically resistant materials and fabrics.

Eye protection

Wear chemically resistant goggles or face shields.

Skin and body protection

Wear appropriate protective clothing.

Respiratory protection

Wear approved respiratory protection when:
 1 - Exposure limits are exceeded
 2 - Inhalation irritation is experienced
 3 - If inadequate ventilation is apparent
 4 - Where exposure limits are not readily known

Other information

DO NOT eat, drink or smoke when using product

Section 9. Physical and Chemical Properties

Physical State	Thick, creamy liquid
Color	Pink
Odor	Banana odor

Odor Threshold	No data available
Solubility	Readily soluble in water
Partition coefficient Water/n-octanol	No data available
VOC%	N/A
Viscosity	No data available
Specific Gravity	0.871
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>60C 140F
FP Method	PM COC
Ph	7.5 - 8.0
Melting Point	No data available
Boiling Point	No data available
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	No data available
Flammability	No data available
Decomposition Temperature	No data available
Auto-ignition Temperature	No data available
Vapor Pressure	No data available
Vapor Density	No data available

Note

The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Vapors may form explosive mixture with air.
Conditions to avoid	Heat, flame and sparks
Incompatible materials	Strong oxidizing agents

Hazardous decomposition product None known
Other decomposition products No data available
In the event of fire See Section 5

Section 11. Toxicological Information

Information on likely routes of exposure Inhalation
Skin Contact
Ingestion
Eye Contact

Acute toxicity Not classified based on available information

Product toxicological information Acute oral toxicity estimate (calculation):
>5000 mg/kg

Skin corrosion/irritation:
May cause slight skin irritation, dryness

Eye sensitivity/irritation:
May cause slight eye irritation

Respiratory sensitization:
May cause skin irritation

Ingestion effects:
May cause adverse reaction

Germ cell mutagenicity:
Not classified

Carcinogenicity:
Not classified

Reproductive toxicity:
Not classified

Ingredient toxicological information Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8)
No known significant effects or critical hazards

Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)
LD50 Oral Rat >15 g/kg
LD50 Dermal Rabbit >5 g/kg
LC50 Inhalation Rat 2.18 mg/l/4hr

Oleic Acid (112-80-1)
LD50 Oral Rat 25 g/kg

Isopropyl Alcohol (67-63-0)
LD50 Oral Rat 4710 mg/kg
LD50 Dermal Rabbit 4059 mg/kg
LC50 Inhalation Rat 72.6 mg/l/4hr

IARC Carcinogenicity 3

Triethanolamine (102-71-6)
LD50 Oral Rat 6400 mg/kg
LD50 Dermal Rabbit >2000 mg/kg
IARC Carcinogenicity 3

Poly(oxy-1,2-ethanediyl), alpha, -(4-nonylphenyl)-omega, -hydroxy-, branched (127087-87-0)
LD50 Oral Rat 1310 mg/kg

SodiumSilicate (1344-09-8)
LD50 Oral Rat 3400 mg/kg

Section 12. Ecological Information

Persistence and degradability	Not established
Bioaccumulative potential	Not established
Ecotoxicity of ingredients	Distillates, petroleum, solvent-refined light paraffinic (6474-2-47-8) Toxicity: >=30 - <=50 Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64741-89-5) LC50 Fish 1 >5000 mg/l/96hr EC50 Daphnia 1 >1000 mg/l/48hr Oleic Acid (112-80-1) LC50 LC50 Fish 1 205 mg/l/96hr Isopropyl Alcohol (67-63-0) EC50 Daphnia 1 13299 mg/l/96 hr LC50 Fish 2 9640 mg/l/96hr Bioaccumulative Potential: Log Pow = 0.05 (25C) Triethanolamine (102-71-6) LC50 Fish 1 10600 mg/l/96hr ErC50 (algae) 169 mg/l LC50 Fish 2 100 mg/l/96hr Bioaccumulative Potential: Log Pow = 2.53 (25C), BCF Fish 1 = 3.9 Sodium silicate (1344-09-8) LC50 Fish 1 301-478 mg/l/96hr LC50 Fish 2 3185 mg/l/96hr Bioaccumulative Potential: Log Pow = 2.53 (25C), BCF Fish 1 = none exp
Mobility in soil	No information available
Other adverse effects	No information available
Other information	Avoid release to environment

Section 13. Disposal

Waste disposal recommendations	Dispose of contents and containers in accordance with local, regional, national and international regulations. Empty containers should be taken to an approved wastehandling site for recycling or disposal.
Additional information	Handle empty containers with care because of the possibility of residual vapors being present.
Ecology	Avoid release to the environment

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not regulated when shipped in non-bulk packaging
DOT Classification	Not regulated when shipped in non-bulk packaging
Packing Group	Not regulated when shipped in non-bulk packaging
IMDG: Non-Bulk	Not regulated when shipped in non-bulk packaging.
IATA: Non-Bulk	Not regulated when shipped in non-bulk packaging.

Section 15. Regulatory Information

US Federal Regulations	<p>Product Dynatex All Purpose Hand Ceaner SARA 311/312 - Combustible Liquid</p> <p>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8) TSCA listed - Combustible Liquid</p> <p>Distillates, petroleum, solvent-refined light paraffinic (64741-89-5) TSCA listed - Combustible Liquid</p> <p>Oleic Acid (112-80-1) TSCA listed</p> <p>Triethanolamine (102-71-6) TSCA listed</p> <p>Isopropyl Alcohol (67-63-0) TSCA listed SARA Sec 311/312</p> <p>Poly(oxy-1,2-ethanediyl), alpha, -(4-nonylphenyl)-omega,-hydroxy-, branched (127087-87-0) TSCA listed</p> <p>Sodium Silicate (1344-09-8) TSCA listed</p>
US State Regulations	<p>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-47-8) MA</p> <p>Distillates, petroleum, solvent-refined light paraffinic (64741-89-5)</p>

MA

Oleic Acid (112-80-1)
PA

Triethanolamine (102-71-6)
MA, NJ, PA

Isopropyl Alcohol (67-63-0)
MA, NJ, PA

Section 16. Other Information

Revision Date

12/22/2015

Disclaimer

The data contained herein is based upon information that Soudal Accumetric believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.