Safety Data Sheet

BOSS® 891 Hand Cleaner

Section 1. Identification

Product Identifier	BOSS® 891 Hand Cleaner
Synonyms	89115; 03758WH10A
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	SERIOUS EYE DAMAGE /EYE IRRITATION - Category 2A
Signal Word	Warning
Pictogram	
Hazard Statements	Causes serious eye irritation

Precautionary Statements	
Response	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.
Prevention	Wash hands thoroughly after handling. Wear eye protection/face protection.
Storage	N/A
Disposal	N/A
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 %
64742-47-8	Distillates, petroleum, hydrotreated light	30% - 40%
Proprietary	Petroleum Distillates,solventrefined light paraffinic	10% - 20%
57-55-6	Propylene glycol	1% - 5%
64366-70-7	2-Ethyl Hexanol EO-PO Nonionic Surfactant	1% - 5%

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

Section 4. First-Aid Measures

General measures	In case of an accident or if n ot feeling well afer handling product, obtain medical attention immediately. Seek medical advice if symptoms persists.
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 TLV	OSHA PEL	STEL
Distillates, petroleum, hydrotreated light	N/A	N/A	N/A

Petroleum Distillates,solventrefined light paraffinic	N/A	N/A	N/A
Propylene glycol	N/A	N/A	N/A
2-Ethyl Hexanol EO-PO Nonionic Surfactant	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	Semi-solid
Color	N/A
Odor	Banana

Odor Threshold	No data available
Solubility	No data available
Partition coefficient Water/n-octanol	No data available
VOC%	N/A
Viscosity	No data available
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>200F
FP Method	N/A
pH	6.0 to 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 Daphina 1 >1000 mg/l/48hr Oleic Acid (112-80-1) LC50 LC50 Fish 1 205 mg/l/96hr Isopropyl Alcohol (67-63-0) EC50 Daphina 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 State Regulations

Petroleum distillates, Hydrotreated Light (64742-47-8)
Osha Z
New Jersey Right to know
Pennsylvania Right to know

Petroleum Distillates, solvent-refined light paraffinic (Proprietary) Massachusetts Right to know

Propylene Glycol (57-55-6)
New Jersey Right to know
Pennsylvania Right to know

2-Ethyl Hexanol EO-PO Nonionic Surfactant (64366-70-7)
SARA 311/312 Immediate (acute) health hazard

Isopropanol (67-63-0)
Massachusetts Right to know
New Jersey Right to know
Pennsylvania Right to know
Pennsylvania Environmental hazards list

Butylated Hydroxytoluene (128-37-0)
SARA 311/312 Acute Health Hazard
Massachusetts Right to know

	New Jersey Right to know Pennsylvania Right to know Rhode Island Right to know
California Prop 65	This product does not contain any chemicals known to the State of California to cause cancer, birth or any other reproductive defects. For more information, go to www.P65Warnings.ca.gov
Inventories	All materials Comply with the following inventories: TSCA DSL/NDLS EINECS/ELINCS ENCS IECSC KECL PICCS AICS

Section 16. Other Information

Revision Date	9/12/2018
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.