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Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name SteamWay Turbo Juice Blue
Swisher number 1126
Reference number 1126CG1-4
Distributor number
UN/ID No 3266
Recommended use Cleaner/Degreaser
Distributor Steam Way International, LLC
Company Emergency Phone Number 800-447-8326
Chemical Emergency Phone Number INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

DANGER!
Emergency Overview
Corrosive; causes burns to eyes and skin
Harmful by inhalation, in contact with skin and if swallowed
Appearance Clear Blue, Liquid Physical state Liquid. Odor Sassafras
GHS hazard pictograms: Corrosion and Exclamation mark

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects Principle Routes of Exposure Ingestion, Inhalation, Eye Contact, Skin Contact

Acute toxicity Eyes Corrosive - causes irreversible eye damage
Skin Corrosive; Causes severe burns
Inhalation Irritating to respiratory system
Ingestion Severe irritation of the gastrointestinal tract, causing vomiting, nausea and burns.

Chronic Effects No known effect based on information supplied

Aggravated Medical Conditions Pre-existing skin disorders, eye problems or impaired respiratory function.

Environmental hazard See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS-No	Weight %
Sodium hydroxide	1310-73-2	< 2%

4. FIRST AID MEASURES

General advice	Show this safety data sheet to the doctor in attendance.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes Seek immediate medical attention/advice
Skin contact	Wash off immediately with soap and plenty of water If skin irritation persists, see a physician
Inhalation	Move to fresh air Get medical attention immediately if symptoms occur
Ingestion	DO NOT induce vomiting. Give large amounts of water if victim is conscious. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Notes to physician	Treat symptomatically
Protection of First-aiders	Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable			
Flash point	Not combustible.			
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment			
Explosion Data				
Sensitivity to Mechanical Impact	None.			
Sensitivity to Static Discharge	None.			
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear			
NFPA	Health Hazard 2	Flammability 0	Stability 0	Physical and chemical hazards COR
HMIS	Health Hazard 2	Flammability 0	Physical Hazard 0	Personal protection -

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation Avoid contact with skin, eyes and clothing Use personal protective equipment

Environmental precautions	Keep out of waterways.
Methods for Containment	Prevent further leakage or spillage if safe to do so Dilute with water and neutralize with dilute acid solution
Methods for cleaning up	Mop up & flush neutralized material to sewer with plenty of water.
Other information	Common Weak Acids suitable for neutralizing caustic alkalis: acetic acid, citric acid, lemon juice, tartaric acid, vinegar.

7. HANDLING AND STORAGE

Advice on safe handling	Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water KEEP OUT OF REACH OF CHILDREN
Technical measures/Storage conditions	Keep container tightly closed in a dry and well-ventilated place Store away from incompatible materials

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2		TWA: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

Engineering Measures Ensure adequate ventilation

Personal Protective Equipment Institutional Environment

Eye/Face Protection	Tightly fitting safety goggles
Consumer Environments	Care should be taken to avoid Eye contact.
Skin and body protection	Rubber gloves
Respiratory protection	Unnecessary in open institutional environment.
Hygiene measures	Practice good personal hygiene. Wash after handling.

Personal Protective Equipment Industrial Environment

Eye/Face Protection	Splash-proof chemical goggles or face shield.
Skin and body protection	Wear appropriate chemical resistant clothing and chemical resistant gloves
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures	Do not eat, drink or smoke when using this product Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid		
Appearance	Clear Blue Liquid	Odor	Sassafras
Color	Blue		

Property	Values	Remarks	Methods
pH	12.5 ± 0.5		
Melting/freezing point		No data available	

Freezing Point		No data available
Boiling point/boiling range	~ 100 °C 212 °F	
Flash Point		Not flammable
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limits in Air		No information available
upper flammability limit		
lower flammability limit		
Explosion Limits		
upper		
lower		
Vapor pressure		No information available
Vapor density		No information available
Specific Gravity	1.044 ± 0.005	
Water solubility	Completely soluble.	Completely soluble.

9.2 Other information

VOC Content(%) negligible

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible products	Strong oxidizing agents Strong acids
Conditions to Avoid	None known based on information supplied
Hazardous Decomposition Products	May emit toxic fumes under fire conditions: Carbon monoxide (CO) Nitrogen oxides (NOx)
Hazardous Polymerization	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION**Acute toxicity**

Product Information	Harmful by inhalation, in contact with skin and if swallowed.
Inhalation	Vapors may irritate throat and respiratory system
Eye contact	Corrosive to the eyes and may cause severe damage including blindness
Skin contact	Contact causes severe skin irritation and possible burns
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide	140 mg/kg (Rat)	1350 mg/kg (Rabbit)	
Alkyl (C12-16) dimethylbenzylammonium chloride	426 mg/kg (Rat)		

Chronic toxicity

Chronic toxicity No known effect based on information supplied

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Discharge to water will affect pH and harm aquatic organisms Neutralization is normally necessary before waste water is discharged into water treatment plants

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Sodium hydroxide		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static		

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

Contaminated packaging

Do not re-use empty containers

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste Status
Sodium hydroxide	Toxic Corrosive

14. TRANSPORT INFORMATION

DOT	Regulated
Proper shipping name	Corrosive liquid, basic, inorganic, n.o.s.(Sodium Hydroxide)
Hazard class	8
UN/ID No	3266
Packing Group	III
Emergency Response Guide Number	153

15. REGULATORY INFORMATION

International Inventories

TSCA TSCA

DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	-
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

TSCA - All components of this product are listed or are exempt or excluded from listing on the United States Toxic Substances Control Act Section 8(b) Inventory.

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	no
Fire Hazard	Yes
Sudden Release of Pressure Hazard	no
Reactive Hazard	Yes

Clean Water Act

This product contains one of the chemicals subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

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

CERCLA

Any components listed below have been assigned a reportable quantity (RQ) by the Federal EPA. Release of the product into the environment that exceed the RQ for a particular component must be reported to the National Response Center at 1-800-424-8802.

COMPONENT: Sodium Hydroxide 1000 lbs

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Sodium hydroxide	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Prepared By	Daley International 4100 West 76th Street Chicago, IL 60652	Issuing date	29-Nov-2012	Revision Date	29-Nov-2012
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Revision Note 1.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

Safety Data Sheet