Material safety data sheet:

TEAK CLEANER PART 1 (RED)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product form:	Mixture
Trade Name:	Semco Teak Products
Product Code:	Not Applicable
Product Group:	Trade product

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses

Intended for use by the general public

Main use category:

- Widespread use by professional workers (PW) : PC9a
- Consumer use (C): Coatings and Paints, thinners, paint removers (PC9a)

1.2.2 Uses advised against

Not Applicable

1.3 Details of the supplier of the safety data sheet

Semco Teak Products

Serra Engineering and Manufacturing Co. Inc

PO Box 323

Phoenix, Maryland 21131 USA

T: 410-771-4025 (outside USA)

1.4 Emergency Telephone Number

T:+1-800-622-00223

Section 2 Hazard Identification

2.1 Classification according to Regulation (EC) No. 1272/2008 (CLP)

Skin corrosive Category 1B — H314- Causes severe skin burns and eye damage

Eye Damage Category 1 — H318- Causes serious eye damage

Adverse physicochemical, human health and environmental effects

.

2.2 Labelling according to Regulation (EC) No. 1272/2008 (CLP)

Hazard pictograms (CLP):

Signal word (CLP): Danger

Hazardous ingredients: Sodium Hydroxide, Water

Hazard statements (CLP) : H314- Causes severe skin burns and eye damage.

Precautionary statements (CLP) :

P264 - Wash exposed skin thoroughly after handling
P280 – Wear protective gloves/protective clothing/eye protection/face protection
P301+310+330+331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician rinse mouth. Do NOT induce vomiting
P303+P361+P353- if ON SKIN (or Hair) take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338 – If IN EYES: Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501- Dispose of contents/container to comply with local regulations

Supplemental Hazard Statements: None

2.3 Other Hazards

No additional information available

Section 3 Composition/information on ingredients

3.1 Substance

Not applicable

3.2 Mixture

Name	Product identifier	%	Classification according to Regulation (EC)
Water	Not Applicable	85-95	Not Applicable
Sodium Hydroxide	(CAS No) 1310-73-2 (EINECS/ELINCS) 215-185-5	7.5-0	Skin corrosion 1A H314 Acute Toxicology 4 H312

			Eye Irritation	H319
			Aquatic Acute 3	H402

3.3 Other Information

Section 4 First Aid Measures

4.1 Description of first aid measures

If Inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician

In case of skin contact Immediately call a POISON CENTER or doctor/physician. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

In case of eye contact: Rinse cautiously with water for Twenty (20) minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

If ingested: Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries: Causes severe skin burns and eye damage.

Symptoms/injuries after inhalation: Coughing. Irritation of the respiratory tract. Irritation of the nasal mucous membranes.

Symptoms/injuries after skin contact: Caustic burns/corrosion of the skin

Symptoms/injuries after ingestion: Abdominal pain. Bleeding of the gastrointestinal tract. Burns to the gastric/intestinal mucosa. Nausea. Possible esophageal perforation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

Section 5 Firefighting measures

5.1 Extinguisher media

Suitable extinguisher media: Dry Powder, Carbon dioxide or Sand

5.2 Special Hazards arising from the substance or mixture

Fire Hazard Closed containers may explode if exposed to extreme heat

Hazardous decomposition products in case of fire Not Applicable

5.3 Advice for firefighters

Firefighting instructions Use water spray or fog for cooling any exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

5.4 Further information

Not Applicable

Section 6 Accidental Release measures

6.1 Personal precautions, protective equipment and emergency procedures

Non-Emergency responders

Protective equipment: See Headings 7 and 8.

Emergency procedures: Evacuate unnecessary personnel.

Emergency responders

Protective equipment: Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures: Ventilate area.

6.2 Environmental Precautions

Discharge into drains to be avoided. Prevent further leaks or spillage

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up:
Other information:

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

Section 7 Handling and Storage

7.1 Precautions for safe handling

Additional hazards when processed: Not Applicable
Precautions for safe handling: Do not get in eyes, on skin, or on clothing. Remove contaminated clothing immediately. Use corrosion proof equipment. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe spray, vapours, mist.

Hygiene measures: Wash exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

7.2 Conditions for safe storage, including and incompatibilities

Storage conditions: Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from: incompatible materials.

Incompatible products: Oxidisers, Strong Acids and Metals
Incompatible material: Sources of ignition. Direct sunlight
Storage area: Cool, Well ventilated place, Keep in the original container

7.3 Specific end use(s)

No Information

Section 8 Exposure Controls/personal Protection

8.1 Control Parameters

Country	Limit 8Hrs (mg/m^3)	Limit: Short term (mg/m^3)
Austria	**2(1)**	**4 (1)**
Belgium	**2**	
Denmark	**2**	**2**
Finland		**2(2)**
France	**2**	
Hungary	**2**	**2**
Ireland		**2(3)**
Latvia	**0.5**	
Poland	**0.5**	**1**
Romania	**1**	**3 (4)**
Spain	**2**	
Sweden	**1 (5)**	**2(4)(5)**
Switzerland	**2(1)**	**2(1)**
UK		**2**

1- Inhalable Aerosol
2- Ceiling Limit
3- 15 Minute Reference period
4- 15 Minute average value
5- Inhalable fraction

8.2 Exposure Controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:


In case of repeated or prolonged contact wear gloves

Eye protection:


Wear chemical goggles or safety glasses

Skin and body protection:


Wear suitable protective clothing

Respiratory protection:


Wear appropriate mask

Environmental exposure controls:
Avoid release to the environment.

Other information: Not applicable

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Colour	Red
Odour	No Data Available
Odour Threshold	No Data Available
pH	≥14
Melting point	No Data Available
Boiling point	100°C
Flash Point	None
Evaporation rate	No Data Available
Flammability	No Data Available
Vapour Pressure	Negligible
Vapour density	Negligible
Relative density	1
Water solubility	Completely
Auto ignition temperature	No Data Available
VOC content	No Data Available
Explosive properties	No Data Available
Oxidising properties	No Data Available

9.2 Other information

No Data Available

Section 10 Stability and reactivity

10.1 Reactivity

Reacts with (some) metals: release of highly flammable gases/vapours (hydrogen). Thermal decomposition generates: Corrosive vapours.

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Not established.

10.4 Conditions to avoid

Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.

10.5 Incompatible materials

Oxidizing agent and strong caustics (acids/bases), metals

10.6 Hazardous decomposition products

Sodium oxide. Thermal decomposition generates: Corrosive vapours.

Section 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Sodium Hydroxide	**Rabbit**	LD_{50}	**Dermal**	**18219 mg/kg**
Water	**Rat**	LD_{50}	**Oral**	**≥90000 mg/kg**

Skin corrosion/irritation: Causes severe skin burns and eye damage.
pH: ≥ 14

Serious eye damage/irritation: Causes serious eye damage.

pH: ≥ 14

Respiratory or skin sensitivity: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration Hazard: Not classified

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met

Section 12 Ecological information

12.1 Toxicity

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

Ecology - water : Toxic to aquatic life.

Sodium Hydroxide	LC_{50}	Fishes	613 mg/l
	EC50	Daphnia	545 mg/l

12.2 Persistence and degradability

Not established.

12.3 Bioaccumulative potential

Not established.

12.4 Mobility in soil

Not established.

12.5 Results of PBT and vPvB assessment

Not established.

12.6 Other adverse effects

Addition information:	Avoid release into the environment, May cause pH changes in aqueous ecological systems.

Section 13 Disposal Considerations

13.1 Waste treatment methods

Regional legislation (waste):	Disposal must be done according to official regulations.
Waste treatment methods:	Dispose of this material and its container at hazardous or special waste collection point.
Sewage disposal recommendations:	Not applicable as there is no release to wastewater.
Waste disposal recommendations:	Dispose in a safe manner in accordance with local/national regulations.
Additional information :	Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials:	Avoid release to the environment.

Section 14 Transport information

14.1 UN number: Not Applicable

14.2 UN proper shipping name: Not Applicable

14.3 Transport hazard class(es): Not Applicable

14.4 Packing group: Not Applicable

14.5 Environmental hazards: Not Applicable

14.6 Special precautions for user: Not Applicable

Section 15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific of the substance or mixture

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

Section 16 Other Information

Abbreviations and acronyms:

EC- European Community; CLP- Classification, labelling and packaging; STOT- Specific target organ toxicity; PPM- Parts per million; VOC- Volatile Organic Compounds; LD50- Lethal dose; LC50- Lethal concentration IC50- Inhibitory concentration ; EC50- Effective concentration ; REACH- Registration, Evaluation, Authorisation and Restriction of Chemicals

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) No. 1272/2008	Classification procedure
Skin corrosive Category 1B	Calculation Method
Eye Damage Category 1	Calculation Method

Relevant H-statements (number and full text):

H314- Causes severe skin burns and eye damage

H318- Causes serious eye damage

Other Important information:

The concentrations of the ingredients are below that of which is classed as hazardous. However, it must still be handled with care as can cause irritation or minor burns if handled or used incorrectly.