STONE SOAP CO., INC

Safety Data Sheet
Rainbow Liquid Tire Cleaner

SECTION 1: Identification

1.1 Product identifier

Product name	Rainbow Liquid Tire Cleaner
Product number	RL-601, 602, 603, 604
Brand	Stone Soap
Substance name	Automotive Tire Cleaner

1.4 Supplier's details

Name	Stone Soap Co., Inc
Address	2000 Pontiac Dr. Sylvan Lake, MI 48320 US
Telephone	248-706-1000
Fax	248-706-1001
email	sales@stonesoap.com

1.5 Emergency phone number(s)

Chemtrec 1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

- Acute toxicity, dermal (chapter 3.1), Cat. 3
- Eye damage/irritation (chapter 3.3), Cat. 1
- Sensitization, skin (chapter 3.4), Cat. 1B
- Acute toxicity, oral (chapter 3.1), Cat. 4

2.2 GHS label elements, including precautionary statements

Pictogram

Signal word **Warning**

Hazard statement(s)

H316	Causes mild skin irritation
H320	Causes eye irritation
H318	Causes serious eye damage
H317	May cause an allergic skin reaction
H302	Harmful if swallowed

Precautionary statement(s)

P264	Wash … thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P301+P330+P331	IF SWALLOWED: 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.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell,

2.3 Other hazards which do not result in classification

Causes mild skin irritation

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Substance name: Automotive Tire Cleaner

Hazardous components

1. WATER

Concentration	55 - 58 % (Weight)
Other names / synonyms	WATER
CAS no.	7732-18-5

2. ETHYLENE GLYCOL MONOBUTYL ETHER

Concentration	5 - 8 %
Other names / synonyms	BUTOXYETHANOL; BUTYL CELLOSOLVE
EC no.	203-905-0
CAS no.	111-76-2
Index no.	603-014-00-0

- Acute toxicity (chapter 3.1), Cat. 4
- Eye damage/irritation (chapter 3.3), Cat. 2
- Skin corrosion/irritation (chapter 3.2), Cat. 2

H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled

3. Sodium silicate

Concentration	5 - 8 %

Other names / synonyms	Sodium silicate; Sodium water glass
CAS no.	1344-09-8

- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Specific target organ toxicity, single exposure (chapter 3.8), Cat. 3

H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation

4. SODIUM XYLENE SULFONATE

Concentration	4 - 7 %
Other names / synonyms	SXS; XYLENESULFONIC ACID, SODIUM SALT
CAS no.	1300-72-7

5. POTASSIUM HYDROXIDE Solution

Concentration	3 - 6 %
Other names / synonyms	CAUSTIC POTASH; KOH
EC no.	215-181-3
CAS no.	1310-58-3
Index no.	019-002-00-8

- Acute toxicity (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 1A

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage

6. Sodium tripoly phosphate

Concentration	3 - 5 %
Other names / synonyms	Sodium phosphate, tribasic; Sodium tripoly phosphate; STPP
CAS no.	7758-29-4

- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Eye damage/irritation (chapter 3.3), Cat. 2B

H315	Causes skin irritation
H319	Causes serious eye irritation

7. Aminophosphonic acid, aqueous solution

Concentration	3 - 5 %
Other names / synonyms	Aminophosphonic acid, aqueous solution
CAS no.	6419-19-8

8. Proprietary nonionic surfactant blend

Concentration	2 - 4 %

Other names / synonyms	Proprietary nonionic surfactant blend

- Acute toxicity, oral (chapter 3.1), Cat. 4
- Skin corrosion/irritation (chapter 3.2), Cat. 1B
- Hazardous to the aquatic environment - acute hazard (chapter 4.1), Cat. 3
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 4

H302	Harmful if swallowed
H302+H312	Harmful if swallowed or in contact with skin
H314	Causes severe skin burns and eye damage
H410	Very toxic to aquatic life with long lasting effects

9. Pine Oil

Concentration	1 - 3 %
Other names / synonyms	Oil, Pine; Pine Oil
CAS no.	8002-09-3

- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Sensitization, skin (chapter 3.4), Cat. 1
- Aspiration hazard (chapter 3.10), Cat. 1

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

Trade secret statement (OSHA 1910.1200(i))
If Chemical Name/CAS number is "proprietary" and/or weight is listed as a range, the specific chemical identity and/or percentage of composition has been withheld a s a trade secret.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration may be necessary. Seek medical attention-if required.
In case of skin contact	Wash with large quantity of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs, seek medical attention.
In case of eye contact	Rinse immediately with cool running water, including under eyelids for at least 15 minutes. Remove contact lenses, if present, after five minutes. continue rinsing eyes. If irritation continues, seek medical attention.
If swallowed	DO NOT induce vomiting. Drink one ot two glasses of water. Seek medical attention immediately.

4.2 Most important symptoms/effects, acute and delayed
Direct contact may cause skin or eye irritation. May cause irritation to gastric/intestional mucosa.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical
None

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Handle according to accepted industrial hygene and safety practice. Use personal protective equipment (see section 8). Follow all label directions.

7.2 Conditions for safe storage, including any incompatibilities
Keep away from excessive heat or incompatible materials, oxidizers and reducing agents.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. 2-Butoxyethanol (CAS: 111-76-2)
PEL (Inhalation): 50 ppm (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

2. 2-Butoxyethanol (CAS: 111-76-2)
PEL (Inhalation): 240 mg/m3 (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

3. 2-Butoxyethanol (CAS: 111-76-2)
PEL (Inhalation): 20 ppm (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

4. 2-Butoxyethanol (CAS: 111-76-2)
REL (Inhalation): 5 ppm (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls
Use in well ventilated area. Eyewash and emergency showers should be available.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
None required

Thermal hazards
None

Environmental exposure controls
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Green
Odor	Pine
Odor threshold	Not determined
pH	12.0-13.0
Melting point/freezing point	> 32F
Initial boiling point and boiling range	> 212F
Flash point	> 212F
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper/lower flammability limits	N/A
Upper/lower explosive limits	N/A
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	1.05
Solubility(ies)	100% in water
Partition coefficient: n-octanol/water	Not determined

Auto-ignition temperature	N/A
Decomposition temperature	N/A
Viscosity	30 cst
Explosive properties	None
Oxidizing properties	None

SECTION 10: Stability and reactivity

10.1 Reactivity
Not reactive under normal storage conditions.

10.2 Chemical stability
Stable under normal storage conditions

10.3 Possibility of hazardous reactions
None

10.4 Conditions to avoid
Excessive heat

10.5 Incompatible materials
Strong oxidiers and reducing agents

10.6 Hazardous decomposition products
Carbon dioxide (CO2). Carbon monoxide. Oxides of nitrogen. Hydrocarbons.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
ETHYLENE GLYCOL MONOBUTYL ETHER
LD50 Skin - Guinea pig - >2000 mg/kg
LD50 Oral - Rat - 1300 mg/kg

Sodium silicate
LD50 Oral - Rat - 600 mg/kg

SODIUM XYLENE SULFONATE
LD50 Oral - Rat - .5000 mg/kg
LC50 Skin - Rabbit - 2000 mg/kg

POTASSIUM HYDROXIDE Solution
LD50 Oral - Rat - 276 mg/kg
Eyes:Result: Major potential hazard
Skin:Result: Major potential hazard

Sodium tripoly phosphate
Irritation Unreported - Rat - 3900 mg/kg
Irritation Unreported - Rabbit - 4640 mg/lg

Aminophosphonic acid, aqueous solution
LD50 Oral - Rat - >2910 mg/kg

LD50 Skin - Rabbit - >6310 mg/kg

Proprietary nonionic surfactant blend
LD50 Oral - Rat - 3980 mg/kg
LD50 Skin - Rabbit - 2000 - 2991 mg/kg
LC50 Inhalation - Rat - 1.15 mg/l - 4 h

Pine Oil
Not classified

Skin corrosion/irritation
Causes moderate to severe skin irritation.

Serious eye damage/irritation
Causes moderate to severe eye irritation.

Respiratory or skin sensitization
No data available.

Germ cell mutagenicity
No specific data

Carcinogenicity
No known significant effects or critial hazards.

Reproductive toxicity
No known significant effects or critial hazards.

Summary of evaluation of the CMR properties
No known significant effects or critial hazards.

STOT-single exposure
No known significant effects or critial hazards.

STOT-repeated exposure
No known significant effects or critial hazards.

Aspiration hazard
No known significant effects or critial hazards.

SECTION 12: Ecological information

Toxicity
ETHYLENE GLYCOL MONOBUTYL ETHER
EC50 - Daphnia magna (water flea) - 1550 mg/l - 48h
Result: Ethylene glycol monobutyl ether CAS 111-76-2
Partition coefficient: n-octanol/water: log Pow 0.83

Sodium silicate
No data

SODIUM XYLENE SULFONATE
EC50 - Daphnia magna (water flea) - 408 mg/kg - 48 h

EC50 - Algae - Selenastrium sp. - 230 mg/l - 96 h

POTASSIUM HYDROXIDE Solution
LC50 - Misquito fish - 80 mg/l - 24h
LC50 - Misquito fish - 80 mg/l - 24h

Sodium tripoly phosphate
No data

Aminophosphonic acid, aqueous solution
EC50 - Daphnia magna (water flea) - >297 mg/l - 48h
LC50 - Salmo gairdneri - >330 mg/l - 96h

Proprietary nonionic surfactant blend
LC50 - Pimephales promelas (fathead minnow) - 3.8 - 6.2 mg/l - 96h
LC50 - Daphnia magna (water flea) - 9.3 - 21.4 mg/l - 48h

Pine Oil
EC50 - Daphnia magna (water flea) - 17-28 mg/l - 48h

Persistence and degradability
ETHYLENE GLYCOL MONOBUTYL ETHER
Remarks: Ethylene glycol monobutyl ether CAS 111-76-2
Biodegradability:aerobic.
Inoculum: activated sludge.Biodegradation: 90.4%
Exposude time: 28 days
OECD Test Guideline 301B

Sodium silicate
No data available

SODIUM XYLENE SULFONATE
No data available

POTASSIUM HYDROXIDE Solution
No data available

Sodium tripoly phosphate
No data available

Aminophosphonic acid, aqueous solution
Result: Readily biodegradable

Proprietary nonionic surfactant blend
Result: This product is not readily biodegradable. >23% min 28d
Partition coefficient, n-octanol/water (log Pow) - 2.1 - 3.4 Calculated

Pine Oil
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available.

Results of PBT and vPvB assessment
No data available.

Other adverse effects
No data available.

SECTION 13: Disposal considerations

Disposal of the product
The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should at all time comply with the requirements of environmental protection and waste disposal legislation and any regional or local requirements.

Disposal of contaminated packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

DOT (US)
UN Number: Not regulated

IMDG
Not regulated

IATA
Not regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards
No SARA hazards.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16: Other information

Effective 4/10/15

16.1 Further information/disclaimer

The statements on this SDS are believed to be true and accurate, but because conditions are beyond our control, Stone Soap Co., Inc. does not make, nor does it authorize any agent or representative to make any oral or written warranty, guarantee or representation, expressed or implied, concerning this material or the use thereof beyond the statements on the label. Stone Soap Co., Inc. and the seller disclaim liability for, and expect the buyer to assume all risk for any claim or personal injury or property damage or loss resulting from handling, storage or use of this material not in accordance with the written directions. No other warranty exists.

16.2 Preparation information

Generated by
Stone Soap Co., Inc.
2000 Pontiac Dr.
Sylvan Lake, MI 48320