Safety Data Sheet

Issue Date: 22-Mar-2018 **Revision Date:** 24-Apr-2018 **Version** 1

1. IDENTIFICATION

Product Identifier

Product Name CoilShine

Other means of identification

SDS # GOOD-012-CA

Synonyms Aqueous cleaning solution

Recommended use of the chemical and restrictions on use

Recommended Use Foaming alkaline coil cleaner

Uses Advised Against No information available

Details of the supplier of the safety data sheet

Initial Supplier Identifier
THIS SAFETY DATA SHEET
IS NOT COMPLIANT UNLESS
CANADIAN ADDRESS IS USED

Manufacturer Address
Goodway Technologies Corp.
420 West Ave.
Stamford, CT 06902
Phone: 1-800-333-7467
www.goodway.com

Emergency Telephone Number

Initial supplier phone number Please enter Initial Suppliers Phone Number here
Emergency Telephone (24 hr) Chemtrec 1-800-424-9300 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear, light purple liquid **Physical state** Liquid **Odour** Lemon/butyl

Classification
This chemical does not meet the hazardous criteria set forth by the 2015 WHMIS standards. However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Label Elements

Signal word
None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance
Not applicable.

Mixture

Synonyms Aqueous cleaning solution.

Chemical Name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Tetrapotassium pyrophosphate	7320-34-5	7	-	-
Citric Acid	77-92-9	2	-	-

4. FIRST AID MEASURES

First Aid Measures

Eye contact Immediately flush eyes with large amounts of water for 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses, if present and easy to do, after the first 2 minutes and continue rinsing. Seek immediate medical attention, preferably from an ophthalmologist.

Skin contact Wash affected area with soap and water. Wash contaminated clothing and shoes thoroughly before reuse. Seek medical attention if irritation persists, if rash develops or if you feel unwell.

Inhalation If product mist of spray causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. If symptoms persist or become worse, seek medical attention immediately.

Ingestion Rinse mouth with water, if victim is conscious. Remove dentures, if any. Give 1-2 cupfuls of water or milk if victim is conscious, alert and able to swallow. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or convulsing person. Obtain immediate medical attention.

Most important symptoms and effects

Symptoms Eyes: Causes moderate to severe eye irritation with redness, pain, tearing, swelling and possible blurred vision. Skin: May cause mild to moderate skin irritation. Repeated and prolonged use may result in drying or cracking of the skin or dermatitis. Inhalation: Inhalation of mist or spray may cause mild irritation of the respiratory tract. Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting, abdominal cramps and diarrhea.

Indication of any immediate medical attention and special treatment needed

Note to doctors Treat symptomatically.

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical Closed containers may explode due to the buildup of pressure when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. symptoms may not be immediately apparent or may be delayed. Obtain medical attention.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Special protective equipment for fire-fighters Full protective equipment including self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. Fire fighters should try to contain water contaminated by this material from being discharged to any waterway, sewer or drain to prevent environmental contamination.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Wear appropriate protective clothing designated in Section 8. Ventilate the area.

Environmental precautions

Environmental precautions Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers or waterways.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Cover drains and contain spill. Spilled product can be reused. Collect product for reuse or place in an approved container for proper disposal. Minimize dust generation during clean-up. Carefully sweep, vacuum or shovel up crushed material and place into an approved container for proper disposal. Dispose of waste properly.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Observe label precautions. Wear all appropriate protective equipment specified in Section 8. Keep containers closed when not in use.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a dry, cool and well-ventilated area, away from incompatible materials, food and drink. Transfer only to approved containers having correct labeling. Keep container tightly closed to prevent moisture absorption. Protect container against physical damage. Containers that have been opened must be carefully resealed and kept upright to prevent spillage.

Incompatible materials Strong oxidizing agents Acids Bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. Use adequate ventilation. Local exhaust is preferable.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear protective goggles or safety glasses with unperforated side shields during use.

Skin and body protection Wear rubber gloves impermeable to chemicals and oil. Protective clothing. Protective boots, if the situation requires.

Respiratory protection None required with normal use. Always use an approved respirator when vapor/aerosols are generated.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear, purple liquid
Colour	Purple
Odour	Lemon/butyl
Odour Threshold	No information available

Property	**Values**	**Remarks • Method**
pH	10.9-11.1	
Melting point / freezing point	0 °C / 32 °F	
Boiling Point / Boiling Range	100 °C / 212 °F	
Flash Point	No data available	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Liquid-Not applicable	
Flammability Limit in Air		
Upper Flammability Limit	Not determined	
Lower Flammability Limit	Not determined	
Vapour Pressure	Not determined	
Vapour Density	Not determined	
Relative Density	1.019-1.021	
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive properties	No information available.	
Oxidising properties	No information available.	

Other Information

Softening Point No information available

Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk Density	No information available

10. STABILITY AND REACTIVITY

Reactivity No information available.

Chemical Stability Stable under normal conditions.

Possibility of Hazardous Reactions None under normal processing.

Hazardous Polymerization Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to Avoid Extreme temperatures. Incompatible Materials.

Incompatible Materials Strong oxidizing agents. Acids. Bases.

Hazardous Decomposition Products Thermal decomposition products include oxides of carbon, oxides of potassium, oxides of phosphorus and sodium oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye contact Avoid contact with eyes.

Skin contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	56,639.00
ATEmix (dermal)	9,672.00
ATEmix (inhalation-dust/mist)	21.62

Unknown acute toxicity No information available

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tetrapotassium pyrophosphate 7320-34-5	-	> 4640 mg/kg (Rabbit)	-
Alcohols, C9-11, ethoxylated 68439-46-3	= 1378 mg/kg (Rat) = 1400 mg/kg (Rat)	> 2 g/kg (Rabbit)	-

Trisodium Phosphate 7601-54-9	> 2000 mg/kg (Rat)	> 300 mg/kg (Rabbit)	> 2.16 mg/L (Rat) 1 h
Citric Acid 77-92-9	= 3 g/kg (Rat) = 3000 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Causes severe skin burns.
Serious eye damage/eye irritation Causes serious eye damage.
Carcinogenicity Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity The environmental impact of this product has not been fully investigated.

Persistence/Degradability No information available.

Bioaccumulation No information available.

Mobility .

Chemical Name	Partition Coefficient
Citric Acid 77-92-9	-1.72

Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

REGULATORY INFORMATION

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

Chemical Name	TSCA	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Tetrapotassium pyrophosphate	X	X	X	X	X	X	X	X
Citric Acid	X	X	X	X	X	X	X	X

Legend:
TSCA - 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 Chemical Substances/European 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

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

NFPA	**Health Hazards** 2	**Flammability** 0	**Instability** 0	**Special Hazards** Not determined
HMIS	**Health Hazards** 2	**Flammability** 0	**Physical hazards** 0	**Personal Protection** B

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value
*	Skin designation

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Revision Note: No information available.

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

End of Safety Data Sheet