

Twin Pro Industrial

Safety Data Sheet

1.) IDENTIFICATION:

Product Name: Star Brite
Other Means of Identification: None
Product Use and restrictions on use: Chrome Wheel & Wall Cleaner
Initial Supplier Identifier: Twin Industrial Holdings Ltd.
O/A Twin Pro Industrial
3203 Giffen Road North
Lethbridge, AB
T1H 0E8
403-329-4878
Prepared by Twin Pro Industrial
Emergency Phone CANUTEC at 1-613-996-6666

2.) HAZARDS IDENTIFICATION

GHS-Classification

Skin Corrosion/Irritation Category 1A
Serious Eye Damage/Eye Irritation Category 1

Signal Word

Danger

Hazard Statement

H314 - Causes severe skin burns and eye damage

Pictograms



Precautionary Statements

P234 - Keep only in original container
P264 - Wash skin thoroughly after handling
P280 - Wear protective gloves/ protective clothing/eye protection/face protection
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin.
P363 Wash contaminated clothing before reuse.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P390 - Absorb Spillage to prevent material damage
P405 - Store Locked up
P501 - Dispose of contents/container in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

3.) COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Cas Number	Weight %	Unique Identifiers
Phosphoric Acid	7664-38-2	25 - 35%	Not Available

Common Name or Synonyms Ortho-phosphoric acid, hydrogen phosphate, white phosphoric acid, phosphoric acid 75%, phosphoric acid 85%

4.) FIRST AID MEASURES

Inhalation:	If symptoms are experienced, remove victim to fresh air. Give artificial respiration only if breathing has stopped. Seek immediate medical attention.
Skin Contact/ Absorption	Remove contaminated clothing. Immediately flush with lukewarm, gently flowing water for at least 30 minutes. Seek medical attention if irritation persists. Completely decontaminate clothing, shoes and leather goods before re-use or discard.
Eye Contact:	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes while holding the eyelid(s) open. If a contact lens is present remove only if safe to do so. Neutral saline solution may be used as soon as it is available. Seek immediate medical attention.
Ingestion:	Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or convulsing. Have victim rinse mouth thoroughly with water. DO NOT induce vomiting. If vomiting does occur, lean victim forward to reduce risk of aspiration. Have victim rinse mouth with water again. Quickly transport victim to an emergency care facility.
Additional Information	Not Available

5.) FIRE – FIGHTING MEASURES

Suitable Extinguishing Media	Use any means suitable for extinguishing surrounding fire.
Unsuitable extinguishing Media	Not Available
Specific Hazards arising from The hazardous product	Closed containers may rupture violently in the heat of a fire.
Special Protective Equipment For Fire-Fighters	Wear NIOSH-approved self-contained breathing apparatus and protective clothing.
Further Information	Not Available

6.) ACCIDENTAL RELEASE MEASURES

Personal Precautions/Protective: Equipment/Emergency Procedures	Wear appropriate personal protective equipment. Stop or reduce leak if safe to do so. Prevent material from entering sewers. Flush with water to remove any residue.
Methods and Material for Containment and Cleaning up	Stop or reduce leak if safe to do so. Contain spill with earth, sand or absorbent material which does not react with spilled material. Shovel residue into containers for disposal. Large Spills: Recover liquid if it can be done safely. Place in suitable, covered, labeled containers. Neutralize the solution remaining after recovery or the entire spill cautiously with lime (CaO or soda ash (Na ₂ CO ₃))

7.) HANDLING AND STORAGE

Precautions for Safe Handling:	Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.
Conditions for Safe Storage:	Store in a cool, dry, well-ventilated area. Store locked up. Keep out of reach of children

8.) EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limit(s)	Regulation	Type of Listing	Value
Phosphoric Acid	ACGIH	TLV-TWA	1mg/m ³
	ACGIH	STEL	3mg/m ³
	OSHA	PEL-STEL	3mg/m ³
	OSHA	PEL-T-TWA	2mg/m ³

Engineering Control(s)

Ventilation Requirements: Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

Other: Emergency shower and eyewash should be available and tested in accordance with regulations and be in close proximity.

Protective Equipment

Eyes/Face Chemical goggles, full-face shield, or a full-face respirator is recommended if splashing hazard exists. Contact lenses should not be worn; they may contribute to severe eye injury.

Hand Protection Impervious gloves of chemically resistant material (rubber or PVC) should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

Skin and Body Protection Body suit, aprons, and/or coveralls. Wash contaminated clothing and dry thoroughly before reuse.

Respiratory Protection If exposure exceeds occupational exposure limits, use an appropriate NIOSH respirator.

Thermal Hazards Not Available

9.) PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state Thick Liquid
Color Green
Odor Winter Mint scent
Odor Threshold Not Applicable

Property

pH 1 - 2
Melting Point/Freezing Point Not Available
Initial Boiling Point/Boiling Range Not Available
Flash Point Not Applicable
Evaporation rate Not Available
Flammability Non-Flammable
Lower Flammable/explosive limit Not Applicable
Upper Flammable/explosive limit Not Applicable
Vapor pressure Not Available
Vapor density (Air=1) Not Available
Relative density Not Available
Solubility Completely miscible
Partition coefficient – N-octanol/water Not Available
Auto-ignition temperature Not Applicable
Decomposition temperature Not Available
Viscosity Not Available

10.) STABILITY AND REACTIVITY

Reactivity This material is considered to be non-reactive under normal use conditions.
Stability Normally stable
Possibility of Hazardous Reactions Not Available
Conditions to Avoid Heat

Incompatible Materials
Hazardous decomposition products

Oxidizers
Not Available

11.) TOXICOLOGICAL PROPERTIES

Acute Toxicity

Component	Oral LD₅₀	Dermal LD₅₀	Inhalation LC₅₀
Phosphoric Acid	1530 mg/kg (rat)	>1260 mg/kg (rabbit)	1.689 mg/L (rabbit, 1 hr)

Chronic Toxicity – Carcinogenicity

Component	IARC
Phosphoric Acid	IARC has not evaluated the carcinogenicity of this chemical ACGIH has not assigned a carcinogenicity designation to this chemical. NTP has not listed this chemical in it's report on carcinogens.

Skin Corrosion/Irritation

Phosphoric acid solutions are corrosive depending on the concentration.

Ingestion

Corrosive. May cause sore throat, abdominal pain, nausea, and severe burns of the mouth, throat, and stomach.

Inhalation

Inhalation is not an expected hazard unless misted or heated to high temperature. Mist or vapor inhalation can cause irritation to the nose, throat, and upper respiratory tract.

Serious Eye Damage/Irritation

Phosphoric acid solutions are corrosive to the eyes depending on the concentration.

Respiratory or Skin Sensitization

Does not meet the criteria for a skin or respiratory sensitizer.

Germ Cell Mutagenicity

The limited information located does not suggest that phosphoric acid solutions are mutagenic.

Reproductive Toxicity

Phosphoric acid is not known to cause developmental toxicity.

STOT – Single Exposure

May cause respiratory irritation.

STOT – Repeated exposure

Not Available

Aspiration Hazard

Not Available

Synergistic Materials

Not Available

12.) ECOLOGICAL INFORMATION

Exotoxicity

Component	Toxicity to Algae	Toxicity to Fish	Toxicity to Daphnia and Other Aquatic Invertebrates
Phosphoric Acid	EC ₅₀ (pseudokirchneriella Subcapitata, 72hr): 32.0mg/L	LC ₅₀ (Oryzias latipes, 96hr): 75.1 mg/L	EC ₅₀ (Daphnia magna, 48hr): >376 mg/L

Biodegradability

Expected to be readily biodegradable

Bioaccumulation

No bioaccumulation expected

Mobility

Mobile in soil

Other Adverse Effects

Not Available

13.) DISPOSAL CONSIDERATIONS

Waste From Residues/ Unused Products

Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Contaminated Packaging

Dispose in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

14.) TRANSPORT INFORMATION

UN Number	UN 1805
UN Proper Shipping Name	PHOSPHORIC ACID, LIQUID
Transport Hazard Class(es)	8
Packaging Group	III
Environmental Hazards	Not listed as a marine pollutant under Canadian TDG Regulations Schedule 1, Column 10
Special Precautions	Not Available
Transport in Bulk	Not Available

TDG

Other	Secure containers (full and or empty) with suitable hold down devises during shipment and ensure all caps, valves, or closures are secured in the closed position.
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15.) REGULATORY INFORMATION

NOTE: This product has been classified in accordance with the hazard criteria of the Canadian controlled products Regulations. This SDS contains all the information required by those regulations.

16.) OTHER INFORMATION

Preparation Date: Feb 2, 2017
Revised Date: Feb 2, 2017

Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations.

Attention: Receiver of the chemical goods / SDS coordinator

Twin Industrial Holdings Ltd. and its associated companies require, as a condition of sale, that you forward the attached Safety Data Sheet(s) to all affected employees, customers, and end-users.
