

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

073730793

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

073730785

# Shine reNEW Stain & Rust Remover

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012 and the Hazardous Products Regulations (HPR) WHMIS 2015

Date of issue: 12/07/2016

Revision date: 12/07/2016

Version: 1.0

### SECTION 1: Identification

#### 1.1. Identification

Product name : Shine reNEW Stain & Rust Remover  
Product code : IMS-1453

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

Recommended use : Cleaner

#### 1.3. Details of the supplier of the safety data sheet

##### Manufactured for

Hu-Friedy Mfg. Co., LLC  
3232 N. Rockwell Street | Chicago, IL 60618 | USA  
1-800-Hu-Friedy or 1-773-975-6100

##### Distributor

Acmedent Corp.  
91 Citation Dr, Unit 5, Concord L4K 2Y8  
905-761-6850  
Central Dental Supply  
103-251 Saulteaux Crescent, Winnipeg R3J 3C7  
204-885-7530  
Henry Schein Canada, Inc.  
345 Townline Road, SS4, Niagara-On-The-Lake L0S 1J0  
905-646-1711  
K-Dental Inc.  
750 Cochrane Drive, Markham L3R 8E1  
416-293-8365  
Patterson Dentaire Canada  
1205, Boul. Henri-Bourassa West, Montreal H3M 3E6  
418-688-6546  
Sinclair Dental Company Ltd.  
900 Harbourside Drive, North Vancouver V7P 3T8  
604-986-1544

#### 1.4. Emergency telephone number

Emergency number : 1-800-535-5053

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Met. Corr. 1  
Skin Corr. 1B  
Eye Dam. 1  
HHNOC 1

#### 2.2. Label elements

##### GHS labelling

Hazard pictograms (GHS) :



GHS05

Signal word (GHS) :

Danger

Hazard statements (GHS) :

May be corrosive to metals. Causes severe skin burns and eye damage. Causes severe damage to the respiratory tract

Precautionary statements (GHS) :

Keep only in original container. Do not breathe dusts or mists. Wash hands, forearms and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Store locked up. Store in a corrosion resistant container with a resistant inner liner. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixtures

| Name            | Product identifier | %  |
|-----------------|--------------------|----|
| Phosphoric acid | (CAS No) 7664-38-2 | 30 |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- First-aid measures after inhalation : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
- First-aid measures after skin contact : IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a poison center/doctor.
- First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Immediately call a POISON CENTER or doctor/physician.
- First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

### 4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : Causes severe damage to the respiratory tract.
- Symptoms/injuries after skin contact : Causes serious burns. Symptoms may include redness, pain, blisters.
- Symptoms/injuries after eye contact : Causes serious eye damage. Causes serious eye burns. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
- Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Treat for surrounding material.
- Unsuitable extinguishing media : None known.

### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon.
- Reactivity : No dangerous reaction known under conditions of normal use. May be corrosive to metals.

### 5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

#### 6.1.1. For non-emergency personnel

No additional information available

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### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

No additional information available

### 6.3. Methods and material for containment and cleaning up

- For containment : Stop leak if safe to do so. Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up : Scoop up material and place in a disposal container. Absorb spillage to prevent material damage. Provide adequate ventilation.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : May be corrosive to metals.
- Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Do not swallow. When using do not eat, drink or smoke. Handle and open container with care.
- Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of the reach of children. Keep in original containers. Keep container tightly closed. Keep in a cool, well-ventilated place.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Phosphoric acid (7664-38-2) |                                       |                        |
|-----------------------------|---------------------------------------|------------------------|
| ACGIH                       | ACGIH TWA (mg/m <sup>3</sup> )        | 1 mg/m <sup>3</sup>    |
| ACGIH                       | ACGIH STEL (mg/m <sup>3</sup> )       | 3 mg/m <sup>3</sup>    |
| OSHA                        | OSHA PEL (TWA) (mg/m <sup>3</sup> )   | 1 mg/m <sup>3</sup>    |
| IDLH                        | US IDLH (mg/m <sup>3</sup> )          | 1000 mg/m <sup>3</sup> |
| NIOSH                       | NIOSH REL (TWA) (mg/m <sup>3</sup> )  | 1 mg/m <sup>3</sup>    |
| NIOSH                       | NIOSH REL (STEL) (mg/m <sup>3</sup> ) | 3 mg/m <sup>3</sup>    |

### 8.2. Exposure controls

- Appropriate engineering controls : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.
- Hand protection : Wear chemically resistant protective gloves.
- Eye protection : Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Environmental exposure controls : Maintain levels below Community environmental protection thresholds.
- Other information : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Violet Liquid
- Colour : Violet
- Odour : Mild
- Odour threshold : No data available

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|                                            |                     |
|--------------------------------------------|---------------------|
| pH                                         | : < 1               |
| Melting point                              | : No data available |
| Freezing point                             | : No data available |
| Boiling point                              | : No data available |
| Flash point                                | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas)                  | : Non flammable.    |
| Vapour pressure                            | : No data available |
| Relative vapour density at 20 °C           | : No data available |
| Relative density                           | : 1.19              |
| Solubility                                 | : No data available |
| Partition coefficient n-octanol/water      | : No data available |
| Auto-ignition temperature                  | : No data available |
| Decomposition temperature                  | : No data available |
| Viscosity, kinematic                       | : No data available |
| Viscosity, dynamic                         | : No data available |
| Explosive limits                           | : No data available |
| Explosive properties                       | : No data available |
| Oxidising properties                       | : No data available |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use. May be corrosive to metals.

### 10.2. Chemical stability

Stable under normal storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

Heat. Incompatible materials:

### 10.5. Incompatible materials

Metals.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. Thermal decomposition generates : Corrosive vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                   |
|-----------------------------|-------------------|
| Acute toxicity (oral)       | : Not classified. |
| Acute toxicity (dermal)     | : Not classified. |
| Acute toxicity (inhalation) | : Not classified. |

| Shine reNEW Stain & Rust Remover |                                                   |
|----------------------------------|---------------------------------------------------|
| LD50 oral rat                    | > 2000 mg/kg (Calculated acute toxicity estimate) |
| LD50 dermal rabbit               | > 2000 mg/kg (Calculated acute toxicity estimate) |
| LC50 inhalation rat              | > 20 mg/l/4h (Calculated acute toxicity estimate) |

| Phosphoric acid (7664-38-2) |                                              |
|-----------------------------|----------------------------------------------|
| LD50 oral rat               | 1530 mg/kg                                   |
| LD50 dermal rabbit          | 2740 mg/kg                                   |
| LC50 inhalation rat         | > 850 mg/m <sup>3</sup> (Exposure time: 1 h) |

|                           |                            |
|---------------------------|----------------------------|
| Skin corrosion/irritation | : Causes severe skin burns |
|---------------------------|----------------------------|

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|                                      |                                                                                                                                                                                           |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Serious eye damage/irritation        | : Causes serious eye damage.                                                                                                                                                              |
| Respiratory or skin sensitization    | : Not classified.                                                                                                                                                                         |
| Germ cell mutagenicity               | : Not classified.                                                                                                                                                                         |
| Carcinogenicity                      | : Not classified.                                                                                                                                                                         |
| Reproductive toxicity                | : Not classified.                                                                                                                                                                         |
| STOT-single exposure                 | : Not classified.                                                                                                                                                                         |
| STOT-repeated exposure               | : Not classified.                                                                                                                                                                         |
| Aspiration hazard                    | : Not classified.                                                                                                                                                                         |
| Symptoms/injuries after inhalation   | : Causes severe damage to the respiratory tract.                                                                                                                                          |
| Symptoms/injuries after skin contact | : Causes serious burns. Symptoms may include redness, pain, blisters.                                                                                                                     |
| Symptoms/injuries after eye contact  | : Causes serious eye damage. Causes serious eye burns. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. |
| Symptoms/injuries after ingestion    | : May be harmful if swallowed. May cause stomach distress, nausea or vomiting. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.             |
| Other information                    | : Likely routes of exposure: ingestion, inhalation, skin and eye.                                                                                                                         |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Ecology - general | : May cause long-term adverse effects in the aquatic environment. |
|-------------------|-------------------------------------------------------------------|

### 12.2. Persistence and degradability

| Shine reNEW Stain & Rust Remover |                  |
|----------------------------------|------------------|
| Persistence and degradability    | Not established. |

### 12.3. Bioaccumulative potential

| Shine reNEW Stain & Rust Remover |                  |
|----------------------------------|------------------|
| Bioaccumulative potential        | Not established. |

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

|                              |                                       |
|------------------------------|---------------------------------------|
| Effect on the global warming | : No known effects from this product. |
|------------------------------|---------------------------------------|

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product/Packaging disposal recommendations | : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECTION 14: Transport information

### Department of Transportation (DOT) and Transportation of Dangerous Goods (TDG)

In accordance with DOT and TDG

|                                |                                                        |
|--------------------------------|--------------------------------------------------------|
| UN-No.(DOT/TDG)                | : UN1760                                               |
| Proper Shipping Name (DOT/TDG) | : Corrosive liquids, n.o.s. (Phosphoric Acid Solution) |
| Class (DOT/TDG)                | : Class 8 - Corrosive material 49 CFR 173.136          |
| Packing group (DOT/TDG)        | : II                                                   |
| Hazard labels (DOT/TDG)        | :                                                      |



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### SECTION 15: Regulatory information

#### 15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

C.I. Acid Violet 48

CAS No 12220-51-8

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories except for:

C.I. Acid Violet 48

CAS No 12220-51-8

#### Phosphoric acid (7664-38-2)

CERCLA RQ

5000 lb

#### 15.2. International regulations

No additional information available

#### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

#### Phosphoric acid (7664-38-2)

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

Date of issue : 12/07/2016  
Revision date : 12/07/2016  
Other information : None.  
Prepared by : Nexreg Compliance Inc.  
[www.Nexreg.com](http://www.Nexreg.com)



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