



Revision Date 03/10/2016

SAFETY DATA SHEET

REVISION NUMBER: 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name HDA-5600

Other means of identification

Product code 102170
UN/ID No. 3264
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Cleaning agent.
Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer Address

Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624 USA
(585) 336-2200

Importer

Rochester Midland Canada Corporation
143 Mills Road
Ajax, ON L1S 2H2
Canada
905-619-6738

Emergency telephone number

EMERGENCY TELEPHONE INFOTRAC: 1-800-535-5053
OUTSIDE U.S.: +1-352-323-3500
CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

Classification

Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
This chemical is considered hazardous by the WHMIS 2015 Hazardous Products Regulation.

| | |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1 |
| Corrosive to metals | Category 1 |

Label elements

Emergency Overview

DANGER

Hazard statements

Causes severe skin burns and eye damage
May be corrosive to metals



Appearance Clear Red

Physical state Liquid

Odor Mild

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection

Keep only in original container

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

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 or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Absorb spillage to prevent material damage

Precautionary Statements - Storage

Store locked up

Store in corrosive resistant container

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

No information available

Other Information

- May be harmful if swallowed

3. COMPOSITION/INFORMATION ON INGREDIENTS

| PRODUCT COMPOSITION | CAS No. | % | TRADE SECRET |
|---------------------|-----------|---------|--------------|
| Phosphoric acid | 7664-38-2 | 55 max. | * |

4. FIRST AID MEASURES**First aid measures****General advice** Immediately call a POISON CENTER or doctor/physician.**Eye contact** 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 or doctor/physician.**Skin contact** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

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

Ingestion IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

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

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

CORROSIVE MATERIAL. Avoid exposure to mist and splashes. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

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 Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Concentrated acidic liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. To dilute, add small portions of product to cool water. Do not reuse container. Read and follow label instructions. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep/store only in original container.

Incompatible materials Do not mix with: Alkalines. Chlorine containing materials. Peroxides. Reducing agents.

Avoid contact with aluminum, zinc, other soft metals or galvanized metals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

| PRODUCT COMPOSITION | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|------------------------------|---|---|------------------------|
| Phosphoric acid 7664-38-2 | STEL: 3 mg/m ³ TWA: 1 mg/m ³ | (vacated) STEL: 3 mg/m ³ (vacated) TWA: 1 mg/m ³ TWA: 1 mg/m ³ | 1000 mg/m ³ |

Appropriate engineering controls

ENGINEERING CONTROLS

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Corrosion resistant equipment recommended. When cleaning aluminum or galvanized surfaces, use explosion proof equipment to remove any hydrogen gas. Showers. Eyewash stations.

Individual protection measures, such as personal protective equipment

Eye/face protection

Goggles and face shield are recommended to minimize eye contact.

Skin and body protection

Chemical resistant gloves are recommended to minimize skin contact. Appropriate protective clothing as needed to prevent skin contact. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

RESPIRATORY PROTECTION

None normally required.

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 Red | Odor | Mild |
| Color | No information available | Odor threshold | No information available |
| Property | Values | Remarks • Method | |
| pH | 0 | | |
| Melting point/freezing point | No information available | | |
| Boiling point / boiling range | 118.3 °C / 245 °F | | |
| Flash point | - | None to boiling. | |
| Evaporation rate | No information available | | |
| Flammability (solid, gas) | No information available | | |
| Flammability Limit in Air | | | |
| Upper flammability limit: | No information available | | |
| Lower flammability limit: | No information available | | |
| Vapor pressure | No information available | | |
| Vapor density | No information available | | |
| Specific gravity | 1.37 - 1.39 | | |
| Water solubility | No information available | | |
| Solubility in other solvents | No information available | | |
| Partition coefficient | No information available | | |
| Autoignition temperature | No information available | | |
| Decomposition temperature | No information available | | |
| Kinematic viscosity | No information available | | |
| Dynamic viscosity | No information available | | |
| Explosive properties | No information available | | |
| Oxidizing properties | No information available | | |

Other Information

| | |
|---------------------------------|--------------------------|
| Softening point | No information available |
| VOC (EPA METH.24) (G/L): | No information available |
| Density | No information available |
| Bulk density | No information available |

10. STABILITY AND REACTIVITY**REACTIVITY**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

CONDITIONS TO AVOID

Extremes of temperature and direct sunlight.

Incompatible materials

Do not mix with: Alkalines. Chlorine containing materials. Peroxides. Reducing agents. Avoid contact with aluminum, zinc, other soft metals or galvanized metals.

Hazardous Decomposition Products

If evaporated to dryness, as in a fire, material may burn, releasing: Soot. Smoke. Oxides of Phosphorus. Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

| | |
|----------------------------|--|
| Product Information | Causes severe skin burns and eye damage. May be harmful if swallowed. |
| Inhalation | Causes burns. |
| Eye contact | Corrosive to the eyes and may cause severe damage including blindness. |
| Skin contact | Causes burns. |
| Ingestion | Causes burns. May be harmful if swallowed. |

| PRODUCT COMPOSITION | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|------------------------------|----------------------|-------------------------|-------------------------------------|
| Phosphoric acid 7664-38-2 | = 1530 mg/kg (Rat) | = 2730 mg/kg (Rabbit) | > 850 mg/m ³ (Rat) 1 h |

Information on toxicological effects

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

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

| | |
|---------------------------------|---------------------------|
| Sensitization | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | No information available. |
| Reproductive Toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |

Numerical measures of toxicity - Product Information

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

| | |
|-----------------|------------|
| ATEmix (oral) | 2875 mg/kg |
| ATEmix (dermal) | 5033 mg/kg |

12. ECOLOGICAL INFORMATION

Ecotoxicity

53.221% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

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

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DEPT. OF TRANSPORTATION

| | |
|----------------------|--|
| UN/ID No. | 3264 |
| Proper shipping name | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (PHOSPHORIC ACID) |
| Hazard Class | 8 |
| Packing Group | II |
| Description | 1 Liter (0.26 Gallons) and Less may be classed as LTD. QTY. |

TDG

| | |
|----------------------|--|
| UN/ID No. | 3264 |
| Proper shipping name | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (PHOSPHORIC ACID) |
| Hazard Class | 8 |
| Packing Group | II |
| Description | 1 Liter (0.26 Gallons) and Less may be classed as LTD. QTY. |

15. REGULATORY INFORMATION

International Inventories

| | |
|----------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |

| | |
|---------------|----------|
| EINECS/ELINCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

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

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| ACUTE HEALTH HAZARD | YES |
| CHRONIC HEALTH HAZARD | No |
| FIRE HAZARD | No |
| Sudden release of pressure hazard | No |
| REACTIVE HAZARD | YES |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| PRODUCT COMPOSITION | Hazardous Substances RQs (in LBS) | U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs |
|------------------------------|-----------------------------------|--|
| Phosphoric acid 7664-38-2 | 5000 | |

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

| PRODUCT COMPOSITION | NJRTK: | MARTK: | PARTK: |
|------------------------------|--------|--------|--------|
| Phosphoric acid 7664-38-2 | Listed | Listed | Listed |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION**NFPA**

Health hazards 3

Flammability 0

Instability 1

Physical and Chemical Properties ACID

HMIS

Health hazards 3

Flammability 0

Physical hazards 1

Personal protection C

Prepared By EH&S DEPARTMENT

Revision Date 03/10/2016

Revision Note

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 SDS ***