

Safety Data Sheet

HVAC Guys Nickel Safe Ice Machine Cleaner and Descaler 16oz |
Descales & Improves Efficiency | Universal Ice Maker Cleaner
Compatible with Most Brands | Made in the USA



Date of issue: 11-Sept-2025 Revision date:11-Sept-2025 Version: 1.0

Section 1 - Product and Company Identification

1.1 Product identifier

Amazon Listing Title: HVAC Guys Nickel Safe Ice Machine Cleaner and Descaler 16oz | Descales & Improves Efficiency | Universal Ice Maker Cleaner Compatible with Most Brands | Made in the USA

Physical State: Liquid

Product Form: Mixture

Product Code (ASIN): B0FF2K62NC

Others Name of Identification/ Synonyms: Ice Machine Cleaner

1.2 Recommended use and restrictions on use

Relevant uses Cleaning scale from ice machines

1.3 Details of the supplier of the safety data sheet

Product Supplier/ Seller:

Name Professional HVAC Products LLC

Address: 1309 Coffeen Ave STE 1200
Sheridan, WY 82801, USA

Tel: +1 702 487 8285

Email: info@leaksavers.com

1.4 Emergency telephone number:

Emergency telephone number: +1 800-255-3924

Section 2 - Hazards Identification

2.1. Classification of the substance or mixture

Classification according to GHS

Corrosive to metals, Category 1	H290
Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 1	H314
Serious eye damage/eye irritation, Category 1	H318

2.2. Label elements

Labelling according to GHS

Hazard pictograms :



Signal word : **Danger**

Hazard statements:

H290-May be corrosive to metals.
H302-Harmful if swallowed.
H314-Causes severe skin burns and eye damage.

Precautionary statements:

P234-Keep only in original container.
P260-Do not breathe dusts or mists.
P264-Wash skin thoroughly after handling.
P270-Do not eat, drink or smoke when using this product.

Safety Data Sheet

HVAC Guys Nickel Safe Ice Machine Cleaner and Descaler 16oz |
Descalers & Improves Efficiency | Universal Ice Maker Cleaner
Compatible with Most Brands | Made in the USA



Date of issue: 11-Sept-2025 Revision date:11-Sept-2025 Version: 1.0

P280-Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312 + P330-IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
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.
P304 + P340 + P310-IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.
P305 + P351 + P338 + P310-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.
P363-Wash contaminated clothing before reuse.
P390-Absorb spillage to prevent material damage.
P405-Store locked up.
P406-Store in corrosive resistant container with a resistant inner liner.
P501-Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC)

None identified

Section 3 - Composition / Information on Ingredients

3.1. Substances: Not applicable

3.2. Mixtures:

Name	Product identifier (CAS RN)	Conc. (%)	GHS Classification
Phosphoric acid	7664-38-2	60 - 70	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1A, H314 Eye Dam. 1, H318

*Full text of Hazard Statements: see section 16

Section 4 - First Aid Measures

4.1. Description of first aid measures

First-aid General:

Show this safety data sheet to the doctor in attendance. Get immediate medical advice/attention if required.

First-aid after inhalation:

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist

First-aid after skin contact:

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Specific treatment (see information on this label). Take off contaminated clothing and wash it before reuse.

First-aid after eye contact:

Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available

First-aid after swallowing:

If swallowed, DO NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

4.2. Most important symptoms and effects:

Symptoms of overexposure may be nausea and vomiting. The important known symptoms and effects are described in the section 2.2.

Symptoms/effects after inhalation:

Harmful if inhaled

Safety Data Sheet

HVAC Guys Nickel Safe Ice Machine Cleaner and Descaler 16oz |
Descalers & Improves Efficiency | Universal Ice Maker Cleaner
Compatible with Most Brands | Made in the USA



Date of issue: 11-Sept-2025 Revision date:11-Sept-2025 Version: 1.0

Symptoms/effects after skin contact:

Causes severe skin burns

Symptoms/effects after eye contact:

Causes severe eye damage

Symptoms/effects after ingestion:

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment if needed

Treat symptomatically.

Section 5 - Fire Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:

Water Spray: yes | Foam: Yes | Halon: Yes | Carbon Dioxide: Yes | Dry Chemical: Yes

Unsuitable extinguishing media: None

5.2. Specific hazards developing from the chemical

Substance or mixture corrosive to metals. In case of combustion or decomposition may release Corrosive gases / vapors, gas/ vapor, toxic, phosphorus oxides (PxOy), phosphine and other irritating gases and vapors may release.

5.3. Special protective equipment and precautions for firefighters

In case of fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

Fire-fighting equipment/instructions:

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if you can do so without risk. No action shall be taken involving any personal risk or without suitable training.

5.4. Precautions for firefighters:

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus (SCBA). Complete protective clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Section 6 - Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General: Do not touch or walk through spilled material. Do not breathe mist/vapours and prevent contact with eyes, skin and clothing. Wear appropriate protective equipment. Keep unprotected persons away. Protect from slipping if on floor. Ensure adequate ventilation - Ventilate enclosed spaces before entering

For non-emergency personnel:

Protect from slipping if on floor. Put on appropriate personal protective equipment.

For emergency responders:

Evacuate unnecessary personnel. Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. See also the information in "For nonemergency personnel". See protective measures under Section 7 and 8.

6.2. Environmental precautions

Avoid release to the environment. Do not allow product to reach sewage system or any water course or ground water.

6.3. Methods and material for containment and cleaning up

Safety Data Sheet

**HVAC Guys Nickel Safe Ice Machine Cleaner and Descaler 16oz |
Descalers & Improves Efficiency | Universal Ice Maker Cleaner
Compatible with Most Brands | Made in the USA**



Date of issue: 11-Sept-2025 Revision date:11-Sept-2025 Version: 1.0

Put on appropriate personal protective equipment (see Section 8). Stop leak if without risk. Move containers from spill area. Neutralize acids by applying basic substances (soda ash or lime) or use an acid spill kit. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

Section 7 - Handling and Storage

7.1. Precautions for safe handling

Protective measures:

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container. Use personal protective equipment as required (see section 8). kept tightly closed when not in use. Keep away from alkalis.

Advice on general occupational hygiene:

Handle in accordance with good industrial hygiene and safety procedures. Avoid contacting eyes. Avoid breathing vapor, contacting liquid. User should wash hands and face before eating, drinking and smoking. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Remove contaminated clothing and protective equipment before entering eating areas. Keep container closed when not in use.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated and dry place at room temperature. Keep away from acids, oxidizing agent and ignition sources. Keep away from food, drink and animal feeding dishes. KEEP OUT OF REACH OF CHILDREN. Keep container closed when not in use.

7.3 Specific end use(s)

Use as directed

Section 8 - Exposure Controls / Personal Protection

8.1. Control parameters:

Occupational exposure limits:

Phosphoric acid	Local name	Value
OSHA PEL	TWA (8 hrs)	1 mg/m ³
		Not available
	STEL (15 mins)	Not available
		Not available
NIOSH IDLH	TWA (8 hrs)	1mg/m ³
		3 ppm
	STEL (15 mins)	Not available
		Not available

Biological exposure Indices (BEI): No Data Available

8.2 Exposure controls

Appropriate engineering controls:

Ensure exposure is below occupational exposure limits (where available). Use personal protective equipment to control the exposure (see section 8). Wash hands before breaks and at the end of workday.

Environmental exposure controls:

Safety Data Sheet

HVAC Guys Nickel Safe Ice Machine Cleaner and Descaler 16oz |
Descalers & Improves Efficiency | Universal Ice Maker Cleaner
Compatible with Most Brands | Made in the USA



Date of issue: 11-Sept-2025 Revision date:11-Sept-2025 Version: 1.0

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

8.3. Individual protection measures/Personal protective equipment

Hygiene measures:

Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Hand protection:

Hand protection recommended while handling product.

Eye/face protection:

Eye protection recommended while handling product.

Skin and body protection:

Skin protection recommended at workplace while handling product.

Respiratory protection:

Respiratory protection recommended at workplace while handling product.

8.4. Environmental exposure controls:

Prevent product from entering drains.

Collect spillage.

Section 9 - Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	:	Clear dark red liquid
Physical state	:	Liquid
Colour	:	Clear dark red
Odor	:	Odourless or acidic odour
pH	:	<1
pH solution	:	No Data Available
Relative evaporation rate	:	No Data Available
Melting point	:	No Data Available
Freezing point	:	0 C
Boiling point	:	No Data Available
Flash point	:	No Data Available
Evaporation rate	:	No Data Available
Auto-ignition temperature	:	No Data Available
Decomposition temperature	:	No Data Available
Vapor pressure	:	No Data Available
Vapor density	:	No Data Available
Relative Density	:	1.40 - 1.45
Solubility	:	Soluble
Viscosity, kinematic	:	No Data Available
Explosive properties:	:	No Explosion Hazard
Lower explosive limit (LEL)	:	Not Applicable
Upper explosive limit (UEL)	:	Not Applicable
Flammability	:	Not Flammable

9.2 Other information

VOC content	:	No Data Available
-------------	---	-------------------

Section 10 - Stability and Reactivity

10.1 Reactivity

Hazardous reactions will not occur under normal conditions. Substance or mixture corrosive to metals.
Hygroscopic solid.

Safety Data Sheet

HVAC Guys Nickel Safe Ice Machine Cleaner and Descaler 16oz |
Descalers & Improves Efficiency | Universal Ice Maker Cleaner
Compatible with Most Brands | Made in the USA



Date of issue: 11-Sept-2025 Revision date:11-Sept-2025 Version: 1.0

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Strong exothermic reaction with strong alkalis / Alkaline. Metals (due to the release of hydrogen in an acid/alkaline medium). Reducing agents. Oxidizing agent. Classified as corrosive to metals

10.4 Conditions to avoid

High temperatures, Frost.

10.5 Incompatible materials

bases, oxidizers, reducing agents, metal, hypochlorites

10.6 Hazardous decomposition products

Substance or mixture corrosive to metals. In case of combustion or decomposition may release Corrosive gases / vapors, gas/ vapor, toxic, phosphorus oxides (P_xO_y), phosphine and other irritating gases and vapors may release.

Section 11 - Toxicological Information

11.1. Information on toxicological effects

Acute toxicity (oral):

Harmful if swallowed.

Acute toxicity (dermal) :

Not classified.

Acute toxicity (inhalation):

Not classified.

Toxicology data for the components/mixture

No data Available

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

Serious eye damage/irritation:

Causes severe skin burns and 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.

Safety Data Sheet

HVAC Guys Nickel Safe Ice Machine Cleaner and Descaler 16oz |
Descalers & Improves Efficiency | Universal Ice Maker Cleaner
Compatible with Most Brands | Made in the USA



Date of issue: 11-Sept-2025 Revision date:11-Sept-2025 Version: 1.0

Section 12 - Ecological Information

12.1 Toxicity

Ecotoxicity data for the components/mixture

No data Available

Acute aquatic toxicity:

Not classified

Chronic aquatic toxicity:

Not classified

12.2 Persistence and degradability

No data Available

12.3 Bioaccumulative potential

Not established

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Avoid release to the environment.

Section 13 - Disposal Considerations

13.1. Waste treatment methods

Disposal should be in accordance with applicable regional, national and local laws and regulations. Avoid disposing into drainage systems and into the environment. Do not dispose of waste into sewer. Empty containers may be recycled after cleaning.

Contaminated packaging

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

Section 14 - Transport Information

For inner packagings not over 5 L (1.3 gallons) each for liquids: Cleaning compound, n.o.s., Not Regulated.

For inner and other packagings over 5 L (1.3 gallons) each for liquids: Phosphoric acid solution.

14.1 UN number:

UN1805

14.2 UN proper shipping name:

PHOSPHORIC ACID, SOLUTION

14.3 Transport hazard class(es)

14.4 Packaging group:

III



14.5 Environmental hazards:

Yes

14.6 Special precautions for user:

Keep away from heat, metals and ignition source

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety Data Sheet

HVAC Guys Nickel Safe Ice Machine Cleaner and Descaler 16oz |
Descalers & Improves Efficiency | Universal Ice Maker Cleaner
Compatible with Most Brands | Made in the USA



Date of issue: 11-Sept-2025 Revision date:11-Sept-2025 Version: 1.0

WHMIS classification for product:

See section 2 details

U.S. Federal Regulations:

SARA 313 Components:

This product does not contain any chemicals which are subject to the reporting requirements at Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Physical Hazard	Health Hazard
Refer section 2	Refer section 2

TSCA Components:

All components of this product are listed or are exempt from listing on the Toxic Substances Control Act.

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance.

Section 16 - Other Information

Full text of H- and EUH-statements:

H290-May be corrosive to metals.

H302-Harmful if swallowed.

H314-Causes severe skin burns and eye damage.

H318-Causes serious eye damage

Abbreviations and acronyms:

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC50	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC50	Lethal concentration, 50 percent
LD50	Lethal dose, 50 percent
IC50	Concentration causing 50% blockade
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PNEC	Predicted no-effect concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and very Bioaccumulative
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	United Nations; Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials

Safety Data Sheet

**HVAC Guys Nickel Safe Ice Machine Cleaner and Descaler 16oz |
Descalers & Improves Efficiency | Universal Ice Maker Cleaner
Compatible with Most Brands | Made in the USA**



Date of issue: 11-Sept-2025 Revision date:11-Sept-2025 Version: 1.0

VOC	Volatile organic compounds
WGK	Water Hazard Class
CWA	Clean Air Act
SARA	Superfund Amendments and Reauthorization Act
CAA	Clean Air Act
STOT RE	Specific Target Organ Toxicity - Repeated Exposure
STOT SE	Specific Target Organ Toxicity - Single Exposure
log Kow	Octanol-water partition coefficient

Statement:

The SDS is prepared based on the information provided by supplier. The information in this safety data sheet is to the best of our current knowledge true and accurate. It does not represent any guarantee of the properties, data, instructions, recommendations and/or suggestions of the product.

The Employer and User should make their own responsibility for investigations to determine the suitability of the information for their particular purposes. The Company and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.