

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION:

Product Name: Wire Wheel Cleaner Generic Names/Synonyms: None Listed

Manufacturer:

Acid Products Company Inc. 600 West 41st Street Chicago, IL 60609 For More Information Call:
773-254-5222

(M- F / 8 AM - 4 PM)

Product Code: 105812-763-1

24/7 Transportation Emergencies

Call CHEMTREC:800-424-9300

Account No.: CCN223

2. HAZARDS IDENTIFICATION:

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200)

HAZARD WARNING

4 - Extreme

SIGNAL WORD: DANGER

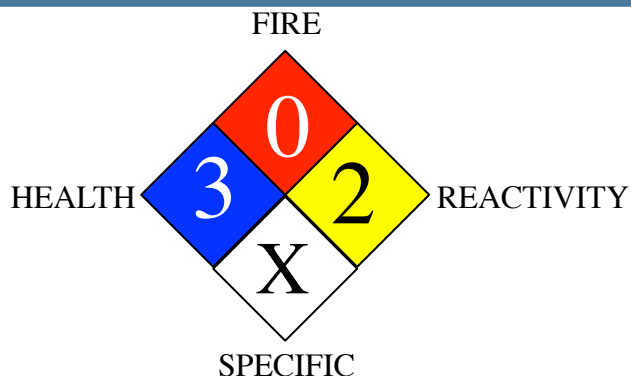
3 - High

2 - Moderate

1 - Slight

0 - Insignificant

X- See Section IV of M.S.D Sheet



GHS Ratings: GHS Hazards

Inhalation Toxicity Acute Tox. 4 H314 Causes severe skin Skin corrosive 1A H317 May cause an allergic skin reaction

Eye corrosive 1 H318 Causes serious eye Skin Sensitizer 1 H332 Harmful if inhaled burns and eye damage damage

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Precautions

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash hand, arms and face thoroughly after handling

P271 Use only outdoors or in a well-ventilated area

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves/protective clothing/eye protection/face protection

P310 Immediately call a POISON CENTER or doctor/physician

P312 Call a POISON CENTER or doctor/physician if you feel unwell

P321 Specific treatment (see ... on this label)

P363 Wash contaminated clothing before reuse

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing

P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses

if present and easy to do – continue rinsing

If skin irritation or a rash occurs: Get medical advice/attention

P333+P313 P405 Store locked up

P403+P235 P501 Store in a well-ventilated place.

Dispose of contents/container according to state, local and Federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS:

Chemical Name CAS number Weight Concentration %

Water 7732-18-5 80.00% - 90.00%

Hydrofluoric acid 7664-39-3 5.00% - 10.00%

2-Butoxyethanol 111-76-2 1.00% - 5.00%

Nonylphenol, ethoxylated 127087-87-0 1.00% - 5.00%

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4. FIRST-AID MEASURES:

INHALATION:

Immediately move person to fresh air and keep comfortable for breathing. If respiratory irritation,

dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has

stopped, assist ventilation with a mechanical device or use mouth to mouth resuscitation

EYE CONTACT:

Immediately rinse continuously with copious amounts of tepid water for a minimum of 15-20 minutes.

Eyelids should be held apart and away from eyeball for thorough rinsing. Seek medical attention.

SKIN CONTACT:

Immediately remove all contaminated clothing. Flush skin with copious amounts of tepid water for a

minimum of 15-20 minutes. For severe exposure or if irritation persists, seek medical attention.

Wash

contaminated clothing before reuse.

INGESTION:

Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out

mouth with water. Seek medical attention immediately.

5. FIRE-FIGHTING MEASURES:

Flash Point: None LEL: N/A UEL: N/A

FLAMMABLE LIMITS:

Product is not flammable. Use appropriate media for adjacent fire and other materials exposed to fire.

Cool containers with water, keep away from common metals.

EXTINGUISHING MEDIA:

Use an extinguishing agent suitable for the fire and other materials present that may be exposed to fire.

FIRE AND EXPLOSION HAZARD:

HAZARDOUS COMBUSTION PRODUCTS:

Under fire conditions toxic fumes should be anticipated.

FIRE EQUIPMENT:

Wear self-contained breathing apparatus and full turn-out gear. Approach fire from upwind direction, If

possible move containers away from fire. Cool fire exposed containers with water spray. If containers

rupture or leak, product may evolve irritating or toxic gas under extreme heat. Prevent runoff from fire

control or dilution from entering streams, sewers, or water supply.

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6. ACCIDENTAL RELEASE MEASURES:

SPILL/LEAK:

Keep unauthorized personnel away. Stay upwind. Do not get water inside container. Do not walk through

spilled material. Wear appropriate personal protective equipment, avoid direct contact. Do not touch

damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed

areas. Prevent entry into waterways, sewers, basements or confined areas

SMALL SPILL:

Stop leak if it can be done without risk. Clean up spilled material with noncombustible absorbent material,

then place in proper container for disposal. Clean surfaces thoroughly with water to remove residual

contamination. Dispose of all waste and cleanup materials according to local, state and Federal regulations.

LARGE SPILL:

No action shall be taken involving any personal risk or without suitable training and issuance of appropriate personal protective equipment. Stop leak if it can be done without risk. Prevent spillage from

entering drains and/or waterways.

7. HANDLING AND STORAGE:

HANDLING PRECAUTIONS:

Handle and open container with care. Use only with adequate ventilation. Use caution when combining with

water; DO NOT add water to corrosive liquid, ALWAYS add corrosive liquid to water while stirring to

prevent release of heat, steam and fumes. Wear appropriate personal protective equipment, avoid direct

contact with material. Do not breathe mist, vapors and/or spray. Do not get in eyes, on skin, or on clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

See section 8 for recommendations on the use of personal protective equipment.

STORAGE:

Keep container closed when not in use. Store in cool, dry well-ventilated area. Keep away from incompatible materials (see section 10 for incompatibilities). Protect from excessive heat and/or freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CAS No. OSHA Exposure Limits ACGIH Exposure Limits Other Exposure Limits

7664-39-3 3 ppm TWA (as F) 2 ppm Ceiling (as F)

0.5 ppm TWA (as F)

111-76-2 50 ppm TWA; 240

20 ppm TWA mg/m³ TWA

127087-87-0 no data available no data available no data available

NIOSH: 3 ppm TWA;

2.5 mg/m³ TWA

6 ppm Ceiling (15 min);

5 mg/m³ Ceiling (15 min)

NIOSH: 5 ppm TWA; 24

mg/m³ TWA

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ENGINEERING CONTROLS:

The level of protection and types of controls necessary will vary depending upon potential exposure

conditions. Control measures to consider: Adequate ventilation should be provided so that exposure limits

are not exceeded. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

Eye wash facilities and emergency shower must be available when handling this product.

GENERAL HYGIENE CONSIDERATIONS:

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Keep away from food,

drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace.

Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or

clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face

protection.

PROTECTIVE EQUIPMENT:

Personal protective equipment selections vary based on potential exposure conditions such as applications,

handling practices, concentration and ventilation. Information on the selection of protective equipment for

use

with this material, as provided below, is based upon intended, normal usage.

RESPIRATORY PROTECTION:

Wear a NIOSH approved full-facepiece airline respirator in the positive pressure mode with emergency

escape provisions. Follow the OSHA respirator regulations found in 29 CFR 1910.134 when exposure

limits

are not reduced by engineering controls or ventilation a full-face respirator with the appropriate cartridges is

recommended

EYE/FACE PROTECTION:

Wear appropriate safety glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 Full face respirator or chemical splash goggles with a face shield. is suggested.

SKIN PROTECTION:

Wear chemical resistant clothing and gloves.

ENVIRONMENTAL CONTROLS:

Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

DECONTAMINATION:

Clean or dispose of contaminated PPE/clothing prior to reuse
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9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Physical state Liquid

Color Purple

Odor acrid

Odor threshold No data available

pH <2.0 (1% solution)

Melting point/freezing point No data available

Boiling point range No data available

Flash point Not applicable

Evaporation rate No data available

Flammability Not flammable

Vapor pressure No data available

Vapor density No data available

Specific Gravity 1.065

Solubility (water) No data available

Auto-ignition temperature No data available

Decomposition temperature No data available

Viscosity No data available

VOC (Weight %) No data available

10. STABILITY AND REACTIVITY:

Under normal conditions of storage and handling, this product is STABLE.

INCOMPATIBLE MATERIALS:

Will also react with steam or water to produce toxic fumes. Glass, concrete and other silicon bearing

materials: yield silicon tetrafluoride gas.

HAZARDOUS DECOMPOSITION:

Thermal decomposition may release toxic fumes of fluorides.

HAZARDOUS POLYMERIZATION:

Hazardous polymerization will not occur.

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11. TOXICOLOGICAL INFORMATION:**Mixture Test Results Species**

LD50 Dermal 60 mg/kg calculated

LC50 Inhalation 11 mg/L

CAS # Test Results Species

7664-39-3 LC50 Inhalation 0.79 mg/L Rat

LD50 Oral 5.0 mg/kg body weight

LD50 Dermal 5.0 mg/kg

111-76-2 LC0 Inhalation: > 3.1 mg/l > 641 ppm

Exposure time: 1 Hr.

Guinea pig

LD50 Oral: 1,414 mg/kg Guinea pig

LD50 Dermal: > 2,000 mg/kg Guinea pig

127087-87-0 LD50 Oral 3314 mg/kg Rat - Male,

Female

TARGET ORGANS:

Liver, Kidneys, Eyes, Skin, Respiratory System

ACUTE TOXICITY:

Eyes - burns, pain, watering eyes. Inhalation - burning, choking, coughing, wheezing, laryngitis, shortness of breath, headache or nausea. Skin - burning, irritation. Ingestion - severe and rapid corrosive burns of the mouth, gullet and gastrointestinal tract, burning, choking, nausea, vomiting and severe pain.

12. ECOLOGICAL INFORMATION:

No data available

13. DISPOSAL CONSIDERATIONS:

If this product becomes a waste, it may meet the criteria of a hazardous waste as defined in 40 CFR

261 as a minimum of a D002 material, defined as a Waste Corrosive material [$\text{pH} \leq 2$ or ≥ 12.5 , or

corrosive to steel]. Other waste codes may apply.

Empty containers or liners may retain some product residues. This material and its container must be

disposed of in a safe manner.

Dispose of according to local, state and federal regulations.

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14. TRANSPORTATION INFORMATION:

Important Note: The data provided in this section is for information only. Please apply the appropriate

regulations to properly classify your shipment for transportation. As shipping descriptions may vary based

on mode of transport, quantities, package size, and/or origin / destination. Consult your company's

Hazardous Materials/Dangerous Goods expert for information specific to your situation.

For small quantities packed in combination packaging, exceptions may apply.

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

Agency Proper Shipping Name UN Number Packing Group Hazard Class

PHMSA Corrosive Liquid, Toxic, N.O.S. UN2922 PG II (Contains Hydrofluoric Acid)

15. REGULATORY INFORMATION:

8 (6.1)

United States inventory (TSCA 8b): All components are listed or exempted.

Country Regulation All Components Listed

U.S.A. TSCA Yes

SARA 313 Components: The following listed components (if any) are subject to the Supplier Notification

Requirement found in 40 CFR 372.45 (c 4); a part of Title III of the Superfund Amendments and Reauthorization Act of 1986. SARA 313 notifications must not be detached from the SDS and any

copying and redistribution of the SDS shall include copying and redistribution of the notice attached to

copies of the SDS subsequently redistributed.

7664-39-3 Hydrofluoric acid 5 - 10%

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

The following chemicals are reportable under Pennsylvania Right to Know:

7664-39-3 Hydrofluoric acid

111-76-2 2-Butoxyethanol

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as

carcinogenic or a reproductive toxin:

- None

16. OTHER INFORMATION:

Disclaimer: Acid Products Company Inc. ("Acid Products") believes the information herein provided is factual and accurate, but is not intended to be

all inclusive. The information relates only to the specific material denoted and does not relate to its use in combination with other materials, or its

use as to any particular process. Because safety standards and regulations are subject to change and because Acid Products has no ongoing

control over the material when being handled, stored or used, the end user should satisfy themselves that they have current information regarding

the particular way the material is handled, stored or used and that use and disposition of the material is done in accordance with Federal, state and

local law. ACID PRODUCTS MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING (WITHOUT LIMITATION)

WARRANTIES WITH

RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN, OR WITH RESPECT TO

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