

Safety Data Sheet

OMEGA HORN CLEAN 727

SECTION 1: Identification MANUFACTURER/DISTRIBUTOR INFORMATION

1.1 Product identifier

Product name OMEGA HORN CLEAN 727

Product number 727

1.3 Recommended use of the chemical and restrictions on use

For use only in ultrasonic cleaning equipment - for musical instruments

1.4 Supplier's details

Name Omegasonics
Address 330 E. Easy Street Suite A
Simi Valley, California 93065
United States of America

Telephone 805-583-0875
Fax 805-583-0561
E-mail omegasonics@omegasonics.com

1.5 Emergency phone number(s) 800-583-0875
For Transportation Emergency: 800-451-8346 (24 Hrs) 3E Company - Cust ID# 4009 - Product ID# 727

SECTION 2: Hazard identification

2.1 GHS label elements, including precautionary statements

Pictogram



Signal word

Warning!

Hazard statement(s)

H290	May be corrosive to metals
H318	Causes serious eye damage
H319	Causes serious eye irritation
H315	Causes skin irritation
H413	May cause long lasting harmful effects to aquatic life
H335	May cause respiratory irritation

Precautionary statement(s)

Safety Data Sheet
OMEGA HORN CLEAN 727

P102	Keep out of reach of children
P264	Wash ... thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P302+P352+P362	IF ON SKIN: Wash with plenty of water/...Take off contaminated clothing.
P301+P315	IF SWALLOWED: Get immediate medical advice /attention
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3 Other hazards which do not result in classification

None

Statement regarding ingredients of unknown toxicity (OSHA)

None present

SECTION 3: Composition/information on ingredients

3.1 Substances

Other names / synonyms none

Impurities and stabilizing additives none

Hazardous components

1. WATER

Concentration Exact percent has been withheld as a trade secret.

Other names / synonyms DIHYDROGEN OXIDE; h₂o; HYDROGEN OXIDE; ICE; SNOW; STEAM;
WATER; WATER, DISTILLED

CAS no. 7732-18-5

2. Tergitol Type NP-9

Concentration Exact percent has been withheld as a trade secret.

Other names / synonyms Tergitol Type NP-4

CAS no. 127087-87-0

3. Phosphoric acid solution 70%

Concentration Exact percent has been withheld as a trade secret.

Other names / synonyms o-Phosphoric Acid; phosphoric acid ... %, orthophosphoric acid ... %;
Phosphoric acid liquid; Phosphoric acid, 85%; PHOSPHORICACID

EC no. 231-633-2

CAS no. 7664-38-2

Index no. 015-011-00-6

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Material is a diluted acid mixture. It is not expected to cause major damage to any organ or skin. However, end user must use caution when handling substance keep away from skin, eyes and mucus membranes. Contact lens use should be avoided.
If inhaled	Move the exposed person to fresh air at once. If substance is sprayed and inhaled it may cause lung irritation. Do not inhale substance. Contact physician.
Skin contact	promptly flush contaminated skin with water. Wash with soap and water. Remove clothing if contaminated. Shower if necessary. Get medical attention if irritation or pain persists.
Eye contact	if user wears contact lenses remove immediately. Promptly wash eyes with plenty of water while lifting eyelids for at least 15 minutes. Get immediate medical attention.
If ingested	Not intended for internal use. Do not induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person. Rinse mouth with water. Get immediate medical attention.

4.2 Most important symptoms/effects, acute and delayed

Skin, eye and mucus membrane serious damage/irritation.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray to keep fire-exposed containers cool. Extinguish fire using agent suitable for surrounding fire. If material /is/ on fire or involved in /a/ fire, extinguish fire using agent suitable for type of surrounding fire. (Material itself does not burn or burns with difficulty.) Use water in flooding quantities as fog. Cool all containers with flooding quantities of water. Apply water from as far a distance as possible.

5.2 Specific hazards arising from the chemical

None

5.3 Special protective actions for fire-fighters

Wear a self-contained breathing apparatus (SCBA) for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate personal protective equipment. Always ensure adequate ventilation.

Wear appropriate eye protection to prevent eye contact.

Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to liquids containing > 1.6% of contaminant; this is irrespective of the recommendation involving the wearing of eye protection.

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements.

6.2 Environmental precautions

Prevent from entering drains and waterways. Discharge into the environment should be avoided.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable closed containers for disposal. If assistance is needed call CHEMTREC or emergency services.

Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment. Always ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated place. Opened containers must be carefully re-sealed and kept upright to prevent leakage. Store away from incompatible materials.

Specific end use(s)

USE ONLY AS INDICATED FOR MUSICAL INSTRUMENT CLEANING IN ULTRASONIC CLEANING EQUIPMENT.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Phosphoric acid (CAS: 7664-38-2)

PEL (Inhalation): 1 mg/m³, (ST) 3 mg/m³ (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Use with adequate ventilation

8.3 Individual protection measures, such as personal protective equipment (PPE)

Safety Data Sheet

OMEGA HORN CLEAN 727

Eye/face protection

Avoid eye contact. Use tightly fitting safety glasses or goggles or face shield. Have eye wash stations available where eye contact can occur.

Skin protection

Avoid skin contact. Handle with chemical resistant gloves. Gloves must be inspected prior to use. Use gloves and rubber apron. Safety showers should be located in the work area where skin contact can occur.

Respiratory protection

Avoid breathing vapor or mist. If using in closed environments use appropriate NIOSH approved acid cartridge respirator or self-contained breathing apparatus. Always ensure adequate ventilation.

Environmental exposure controls

Keep away from storm drains or aquatic life.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form	Liquid light to dark green
Odor	Slight unpleasant odor
Odor threshold	N/A
pH	2.2
Melting point/freezing point	42.35 deg C
Initial boiling point and boiling range	At 213 deg F
Flash point	not flammable
Evaporation rate	not applicable
Flammability (solid, gas)	not flammable
Upper/lower flammability limits	not flammable
Upper/lower explosive limits	not flammable
Vapor pressure	0.0285 torr @ 20 DEG C
Vapor density	Liquid
Relative density	Liquid
Solubility(ies)	Sol in alcohol; sol in 8 vol of 3:1 ether:alcohol mixt Very sol in hot water; 548 g sol in 100 cc cold water
Partition coefficient: n-octanol/water	not available
Auto-ignition temperature	not ignitable
Decomposition temperature	
Viscosity	Not available
Explosive properties	none
Oxidizing properties	not available

Other safety information

Specific gravity 1.834 at 18 deg C

SECTION 10: Stability and reactivity

10.1 Reactivity

Product is stable

10.2 Chemical stability

Safety Data Sheet

OMEGA HORN CLEAN 727

Chemical is stable

10.3 Possibility of hazardous reactions

Strong caustics, most metals [Note: Readily reacts with metals to form flammable hydrogen gas. DO NOT MIX WITH SOLUTIONS CONTAINING BLEACH OR AMMONIA].

10.4 Conditions to avoid

Aldehydes; Cyanides; Mercaptans; and sulfides.

Formation of toxic fumes with: Cyanides; Fluorides; Halogenated organics; Sulfides; and organic peroxides.

10.5 Incompatible materials

Not known

10.6 Hazardous decomposition products

None known

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No information available for this mixture

Skin corrosion/irritation

No information available for this mixture

Serious eye damage/irritation

No information available for this mixture

Respiratory or skin sensitization

No information available for this mixture

Germ cell mutagenicity

None suspected

Carcinogenicity

None suspected

Reproductive toxicity

None suspected

Summary of evaluation of the CMR properties

Not available

STOT-single exposure

Skin, eyes

STOT-repeated exposure

Skin, eyes

Aspiration hazard

None expected under normal use.

Safety Data Sheet
OMEGA HORN CLEAN 727

None

SECTION 12: Ecological information

Toxicity

Material may be toxic to environment. Avoid disposing into waterways.

Persistence and degradability

None expected

Bioaccumulative potential

None expected

Mobility in soil

Not known

Other adverse effects

None suspected

SECTION 13: Disposal considerations

Disposal of the product

Material should be disposed in accordance with all local, state, and federal regulations.

Other disposal recommendations

None

SECTION 14: Transport information

DOT (US)

UN Number: 1760

Class: 8

Packing Group: III

Proper Shipping Name: UN1760, corrosive liquid, N.O.S. (Contains phosphoric acid), 8, PG III Limited quantities 173.154(b)(2) For corrosive materials in Packing Group III, inner packaging not over 5.0 L (1.3 gallons) net capacity each for liquids packed in a strong outer packaging.

Reportable quantity (RQ): N/A

Marine pollutant: N/A

Poison inhalation hazard: N/A

IMDG

UN Number: 1760

Class: 8

Packing Group: III

EMS Number:

Proper Shipping Name: UN1760, corrosive liquid, N.O.S. (Contains phosphoric acid), 8, PG III Limited quantities 173.154(b)(2) For corrosive materials in Packing Group III, inner packaging not over 5.0 L (1.3 gallons) net capacity each for liquids packed in a strong outer packaging.

Reportable quantity (RQ): N/A

Marine pollutant: N/A

Safety Data Sheet
OMEGA HORN CLEAN 727

Poison inhalation hazard: N/A

IATA

UN Number: 1760

Class: 8

Packing Group: III

Proper Shipping Name: UN1760, corrosive liquid, N.O.S. (Contains phosphoric acid), 8, PG III Limited quantities 173.154(b)(2) For corrosive materials in Packing Group III, inner packaging not over 5.0 L (1.3 gallons) net capacity each for liquids packed in a strong outer packaging.

Reportable quantity (RQ): N/A

Marine pollutant: N/A

Poison inhalation hazard: N/A

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 313 Components

Not subject to EPA reporting requirements

15.2 Chemical Safety Assessment

Not available

SECTION 16: Other information

Previous MSDS date 3/15/2012

This SDS 4/20/2015

16.1 Further information/disclaimer

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