

Acid Blend SP 600 HD

SAFETY DATA SHEET

Preparation Date: 06-May-2009

Revision Date: 01-Oct-2025

Revision Number: 4

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

Product Identifier

Product Name Acid Blend SP 600 HD

Other means of identification

Item#: CAN6436

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Cleaning agent.

Uses advised against All other

Details of the supplier of the safety data sheet

Supplier DeLaval Inc.
10900 Rue Secant Street
Ville d'Anjou, Quebec H1J 1S5
Tel: (705) 741-3100

Emergency Telephone Number

West Penetone Inc: (514) 355-4660 8h-17h Monday to Friday

Poison Control Center (Emergency, 24 H): 1-844-POISON-X or 1-844-764-7669

2. HAZARDS IDENTIFICATION

Classification

Acute Toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Sulfuric acid and other mineral acids mist statement

The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

Corrosive to metals	Category 1
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Label Elements

DANGER

Hazard statements

Harmful if swallowed

Causes severe skin burns and eye damage

May be corrosive to metals

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor
Specific treatment (see First Aid on this label)

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.

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 person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. Do not induce vomiting.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical name	CAS No	Weight-%
Phosphoric acid	7664-38-2	10 - 30*
Sulfuric acid	7664-93-9	7 - 13*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first-aid measures**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.

Skin contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.

Inhalation

Move to fresh air. Get medical attention immediately if symptoms occur.

Ingestion Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Most important symptoms and effects, both acute and delayed

Corrosive. The product causes burns of eyes, skin and mucous membranes.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

The product is not flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None known

Specific hazards arising from the chemical

Corrosive to metals. The product causes burns of eyes, skin and mucous membranes.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health hazards 3

Flammability 0

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. For personal protection see section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling

Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.

Incompatible Materials

bases, light metals (e.g. aluminum, copper, brass, zinc galvanized), bleach

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Only constituents with exposure limits are listed. Any constituent not listed has no known exposure limit.

Chemical name	Alberta	British Columbia	Ontario TWAEV	Quebec
Phosphoric acid 7664-38-2	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³
Sulfuric acid 7664-93-9	TWA: 1 mg/m ³ STEL: 3 mg/m ³	TWA: 0.2 mg/m ³	TWA: 0.2 mg/m ³	TWA: 1 mg/m ³ STEL: 3 mg/m ³

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Tightly fitting safety goggles.

Skin and body protection Apron or other light protective clothing, boots and plastic or rubber gloves.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid	Odor	No information available
Appearance	Red	Odor Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ • Method</u>
pH	2	No data available
Melting point/freezing point	No data available	No data available
Boiling Point/Range	No data available	No data available
Flash Point	No data available	No data available
Evaporation rate	No data available	No data available
Flammability (solid, gas)	No data available	No data available
Flammability Limit in Air	No data available	No data available
Upper flammability limit	No data available	
Lower flammability limit	No data available	
Vapor Pressure	No data available	No data available
Vapor Density	No data available	No data available
Specific Gravity	1.14	No data available
Water Solubility	soluble	No data available
Partition coefficient: n-octanol/water	No data available	No data available
Autoignition Temperature	No data available	No data available
Decomposition temperature	No data available	No data available
Kinematic viscosity	No data available	No data available

Other information

Liquid Density 1.14 g/mL

10. STABILITY AND REACTIVITY

Reactivity

May react with other chemicals. Do not mix with other chemicals except as directed on label.

Chemical Stability

stable when stored at temperatures not exceeding 80°F. Long-term storage at higher temps may degrade product over time.

Possibility of hazardous reactions

May spatter and release heat if mixed with bases (alkalis). Mixing with chlorinated products may release deadly chlorine gas. May react with and cause damage to soft metals such as aluminum, copper, brass or zinc (galvanized) to produce flammable, potentially explosive, hydrogen gas.

Conditions to Avoid

Product may degrade if exposed to long-term high temperature.

Incompatible Materials

bases, light metals (e.g. aluminum, copper, brass, zinc galvanized), bleach

Hazardous decomposition products

Gives off hydrogen by reaction with some metals (e.g. aluminum).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eyes Corrosive to the eyes and may cause severe damage including blindness.

Skin Extremely corrosive and destructive to tissue.

Ingestion Ingestion causes burns of the upper digestive and respiratory tracts.

Numerical measures of toxicity

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

ATEmix (oral) 1,744.00

ATEmix (dermal) 2,740.00

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Phosphoric acid 7664-38-2	> 300 mg/kg (Rat)	2740 mg/kg (Rabbit)	850 mg/m ³ (Rat) 1 h
Sulfuric acid 7664-93-9	2140 mg/kg (Rat)	-	375 mg/m ³ (air)

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

Skin Corrosion/Irritation Causes burns

Serious eye damage/eye irritation Causes eye burns

Sensitization None known

Mutagenic effects None known

Carcinogenicity

Chemical name	ACGIH	IARC	NTP	OSHA
Sulfuric acid 7664-93-9	A2	Group 1	Known	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Sulfuric acid and other mineral acids mist statement The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a known human carcinogen, (IARC category 1). This classification applies only to mists containing sulfuric acid and not to sulfuric acid or sulfuric acid solutions.

Reproductive Effects None known

STOT - single exposure None known

STOT - repeated exposure None known

Aspiration Hazard None known

12. ECOLOGICAL INFORMATION

Ecotoxicity

If available, ecotoxicity values of individual components are shown below.

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Sulfuric acid 7664-93-9	-	LC50 42 mg/l 96 h	-	EC50 42.5 mg/L 48 h

Persistence and degradability

No information available.

Bioaccumulation/Accumulation

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Method Dispose of in accordance with local regulations. Should not be released into the environment. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

Contaminated Packaging Triple rinse containers. Avoid contamination of any water supply with product or empty packaging. Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT

UN-No 3264
Proper Shipping Name Corrosive liquid, acidic, inorganic, n.o.s (Sulfuric acid, Phosphoric acid)
Hazard Class 8
Packing Group II

15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture****International Regulations**

The Montreal Protocol on
Substances that Deplete the Ozone
Layer Not applicable

The Stockholm Convention on
Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Preparation Date: 06-May-2009

Revision Date: 01-Oct-2025

Revision Note: Update Section: 1 (emergency telephone number).

Disclaimer

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End of Safety Data Sheet