

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: 9131 ACID CLEANER

Product Use: Acid cleaner

INTEGRATED BIOSOLUTIONS LLC

4342 E HIGHLANDS DR.

PARADISE VALLEY, AZ 85253

(480)250-8985

24 Hr. Emergency Tel.#: 800-255-3924

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the Substance or Mixture:

Skin Corrosion - Category 1

Serious Eye Damage - Category 1



Signal Word: DANGER

Hazard Statements:

Causes severe skin burns and eye damage

Precautionary Statements:

Prevention

Wash hands thoroughly after handling

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

Response

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

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

For specific treatment see Section 4 First Aid.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local regulations.

Hazards not Otherwise Classified:

No other hazards classified.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Synonym	CAS Number	Concentration
NITRIC ACID	HNO3	7697-37-2	18-22%
PHOSPHORIC ACID	H3PO4	7664-38-2	5-8%

SECTION 4 - FIRST-AID MEASURES

Inhalation: Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

Skin Contact: Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Rinse skin with lukewarm, gently flowing water/shower with a flushing duration of 30 minutes. Immediately call POISON CENTER/doctor. Wash contaminated clothing before re-use.

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Eye Contact: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for 30 minutes. Take care not to rinse contaminated water into the unaffected eye or into the face. Immediately call a POISON CENTER/doctor.

Ingestion: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

Most Important Symptoms and Effects, both Acute and Delayed: Causes severe skin burns and eye damage, burning of the mouth, throat, and esophagus.

Indication of any Immediate Medical Attention and Special Treatment Needed: Treat symptomatically

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Material is not flammable. Use extinguisher media appropriate for material in surrounding fire.

Special hazards arising from the substance or mixture: Non combustible. May give off irritating or toxic fumes (or gases) in a fire.

Flammability classification (OSHA 29 CFR 1910.106) (Hazcom 2012): Non flammable

Hazardous Combustion Products: May cause fire and explosions when in contact with incompatible materials. Toxic nitrogen oxides

Special protective equipment and precautions for firefighters: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Methods and materials for containment and cleaning up: SMALL SPILLS (less than 1 gallon): Neutralize with soda ash or cover with dry earth, sand or other non combustible material, place into loosely covered plastic containers for later disposal. If neutralized, material can be diluted into drain. LARGE SPILL: Restrict access to area until completion of clean up. Prevent liquid from entering sewers or waterways. Stop or reduce leak if safe to do so. Dike with inert material (sand, earth, etc.). Collect into plastic containers for disposal. Ensure adequate decontamination of tools and equipment following clean up.

Special spill response procedures: Collect spills in plastic containers only

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Use EXTREME care when diluting with water. Always add acid to water. Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.

Conditions for Safe Storage: Store in closed, properly labeled, rubber-lined steel, acid-resistant plastic, or glass containers. Store in a cool, dry, well-ventilated place away from heat, cold, metals, strong oxidizing agents, strong alkalis or reactive materials. Protect from freezing. Always use care when opening containers and keep tightly closed when not in use. Do not reuse containers.

Incompatible Materials: Reducing agents, wood, paper and other combustibles, iron and other heavy metals, copper alloys and caustic.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation and engineering measures: Forced air, local exhaust, or open air is adequate.

Respiratory Protection: Use appropriate NIOSH respirator.

Skin Protection: Wear chemical resistant gloves and chemical resistant garments when handling, wash garments before re-use.

Eye/Face Protection: Wear chemical goggles; also wear a face shield if splashing hazard exists.

Other Protective Equipment: Eye wash facility and emergency shower should be in close proximity.

General Hygiene Conditions: Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industry hygiene and safety practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless clear liquid

Odor: Odorless

pH: <1

Melting/Freezing point: No information available

Initial boiling point and boiling range: No information available

Flammability (solid, gas): Non flammable

Specific gravity: 1.13 g/mL

Solubility in water: Complete

Decomposition temperature: No information available

Viscosity: 7 cSt at 20°C / 68°F

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SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Reactive with bases, metals, reducing agents and combustible materials

Chemical Stability: Stable under normal conditions

Possibility of Hazardous Reactions: May react with incompatible materials

Conditions to Avoid: Incompatible materials and extreme temperatures

Incompatible Materials: Reactive with bases, metals, reducing agents and combustible materials

Hazardous Decomposition Products: Nitrogen oxides

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry - inhalation: YES

Routes of entry - skin & eye: YES

Routes of entry - ingestion: YES

Potential Health Effects:

Signs and symptoms of short term (acute) exposure:

Inhalation: Effects may be delayed. Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.

Ingestion: May cause severe and permanent damage to the digestive tract. Causes gastrointestinal tract burns.

Skin: Causes skin burns. May cause deep, penetrating ulcers of the skin. Concentrated nitric acid dyes human skin yellow on contact.

Eye: Causes severe eye burns. Direct contact with liquid may cause blindness or permanent eye damage.

Potential Chronic Health Effects:

Mutagenicity: No known mutagenic effects.

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.

Reproductive effects: No known effects on reproduction.

Sensitization to material: No information available.

Specific target organ effects: Irritating and corrosive to mucous membranes. Can cause teeth erosion.

Toxicological data: The calculated ATE values for this mixture are:

ATE oral = >5000mg/kg

ATE dermal = >5000mg/kg

ATE inhalation = No information available.

SECTION 12 - ECOLOGICAL INFORMATION

Persistence and degradability: Expected to readily biodegrade.

Bioaccumulation potential: No bioaccumulation expected.

SECTION 13 - DISPOSAL CONSIDERATIONS

Handling for disposal: Do not contaminate water, food, or feed by storage and/or disposal. When handling refer to protective measures listed in sections 7 and 8. Empty residue from containers, rinse container well.

Method of disposal: Dispose of in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.

RCRA: If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of: Corrosivity D002

SECTION 14 - TRANSPORTATION INFORMATION

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

Please note the GHS and DOT Standards are NOT identical and therefore can have varying classifications

US 49 CFR/DOT/IATA/IMDG Information:

UN No.: 3264

INTEGRATED BIOSOLUTIONS LLC 4342 E HIGHLANDS DR. PARADISE VALLEY, AZ 85253

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UN Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s.

Transportation hazard class(es): 8

Packing Group: II

Environmental hazards: Not a Marine Pollutant

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

TSCA information: 7697-37-2 is listed on the TSCA inventory.

US CERCLA reportable quantity (RQ): 7697-37-2 is listed as RQ 1000 lbs. 7664-93-9 is listed as RQ 5000 lbs.

SARA Title III: Acute Health Hazard

US State Right to Know Laws: PENNSYLVANIA RIGHT TO KNOW: Hazardous Substances and Special Hazardous Substances on the List which must be identified are: Nitric Acid.

SECTION 16 - OTHER INFORMATION

Legend:

SARA: The Superfund Amendments and Reauthorization Act

RCRA: Resource Conservation and Recovery Act

TSCA: Toxic Substances Control Act

CFR: Code of Federal Regulations

DOT: Department of Transportation

ATE: Acute Toxicity Estimate

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