GENESIS CHEMICAL

Safety Data Sheet

PRODUCT: APPLE SAUCE

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1. IDENTIFICATION

Product Name: **Apple Sauce**

Recommended Use: Industrial & Commercial Cleaning Compound

Manufacturer: Genesis Chemical
4626 Eagle Falls Pl, Tampa, FL 33619

Emergency Phone: **VelocityEHS: 1-800-255-3924**

2. HAZARD(S) IDENTIFICATION

GHS Classification Matrix:

Skin Corrosion / Irritation	Category 1
Serious Eye Damage	Category 1
Flammable Liquid	Not Classified (Category 0 / Non-Flammable)

SIGNAL WORD: DANGER

Hazard Statements:

- **Causes severe skin burns and eye damage.**
- **Causes serious eye damage.**

Precautionary Statements — Prevention:

- Do not breathe mists, vapors, or sprays.
- Wash face, hands, and any exposed skin thoroughly after handling.
- Wear protective gloves, protective clothing, eye protection, and face protection.

Precautionary Statements — Response:

- **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
- **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor.
- **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.
- **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.

Precautionary Statements — Storage & Disposal:

- Store locked up in a well-ventilated space.

- Dispose of contents and container in accordance with local, regional, national, and international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight-% Range
Dodecyldimethylamine oxide	1643-20-5	18% – 30%
2-Propanol (Isopropyl Alcohol)	67-63-0	3% – 5%
Nonylphenol Ethoxylate	9016-45-9	3% – 5%

**Note: The exact chemical percentages are withheld as a trade secret, but fall strictly within the certified regulatory concentration tiers.*

4. FIRST-AID MEASURES

- **Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, provide artificial respiration. Obtain immediate medical attention.
- **Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Obtain immediate medical attention.
- **Eye Contact:** Immediately flush eyes with gently flowing water for at least 15 to 20 minutes, holding eyelids open. Remove contact lenses if present and easy to do. Continue rinsing. Obtain immediate medical attention.
- **Ingestion:** Rinse mouth thoroughly with water. Do NOT induce vomiting unless explicitly directed by medical personnel. Never give anything by mouth to an unconscious individual. Obtain immediate medical attention.

5. FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
- **Specific Hazards Arising from the Chemical:** The product itself is non-flammable. Under thermal degradation from external fire sources, toxic and irritating gases (carbon oxides, nitrogen oxides) may be released.
- **Special Protective Equipment:** Firefighters must wear full protective gear and self-contained breathing apparatus (SCBA) operating in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Use appropriate personal protective equipment. Avoid contact with skin, eyes, and clothing. Ensure adequate ventilation. Evacuate non-essential personnel to safe areas.
- **Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not allow product to enter municipal sewers, surface water, or ground water systems.
- **Clean-up Methods:** Contain spill with inert absorbent material (e.g., sand, silica gel, universal binder). Neutralize cautiously if appropriate, and scoop or transfer material into properly labeled, sealed containers for disposal.

7. HANDLING AND STORAGE

- **Handling:** Handle in accordance with robust industrial hygiene protocols. Avoid contact with skin, eyes, and clothing. Do not breathe mists or vapors. Wear complete PPE. Wash thoroughly after handling.
- **Storage:** Keep containers tightly closed in a cool, dry, and well-ventilated containment area. Store locked up. Keep isolated from children and unauthorized individuals. Keep away from incompatible materials (strong acids, strong oxidizing agents).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Regulatory Limits:

Component Name	OSHA PEL	ACGIH TLV
2-Propanol (Isopropyl Alcohol)	400 ppm (980 mg/m³) TWA	200 ppm TWA / 400 ppm STEL
Dodecyldimethylamine oxide	None Established	None Established
Nonylphenol Ethoxylate	None Established	None Established

Engineering Controls & Personal Protective Equipment (PPE):

- **Engineering Measures:** Provide emergency eye wash stations and safety showers in the immediate vicinity of work areas. Maintain mechanical local exhaust ventilation system to control vapor/mist concentrations.
- **Eye/Face Protection:** Tightly fitting chemical splash goggles and a full face shield must be worn to prevent ocular contact.
- **Skin Protection:** Chemical-resistant impervious gloves (Nitrile, Neoprene, or PVC) and long-sleeved protective clothing, apron, or full chemical suit must be utilized.
- **Respiratory Protection:** If exposure limits are exceeded or atmospheric irritation is present, utilize a NIOSH/MSHA approved respirator configuration.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Green liquid	**Odor:**	Apple scent
pH:	> 11.0 (Alkaline matrix)	**Boiling Point:**	Approx. 212°F (100°C)
Flash Point:	Non-flammable / Does not flash	**Evaporation Rate:**	Similar to water
Solubility:	Completely miscible in water	**Specific Gravity:**	1.01 - 1.04

10. STABILITY AND REACTIVITY

- **Reactivity:** Stable and non-reactive under normal process conditions.

- **Chemical Stability:** Thermally stable under recommended ambient storage environments.
- **Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.
- **Incompatible Materials:** Keep separated from strong acids, strong oxidizing agents, and reactive metals.
- **Hazardous Decomposition Products:** Carbon oxides and nitrogen oxides under high heat/fire environments.

11. TOXICOLOGICAL INFORMATION

- **Primary Routes of Exposure:** Eye contact, Skin contact, Ingestion, Inhalation.
- **Inhalation:** Aggressive to the respiratory tract. May cause severe mucosal irritation, coughing, or chemical burns if high density mists are inhaled.
- **Skin Contact:** Corrosive. Causes severe chemical burns, redness, deep ulcerations, and permanent dermal damage if untreated.
- **Eye Contact:** Corrosive. Causes serious eye damage, intense pain, corneal burns, and irreversible vision impairment or blindness.
- **Ingestion:** Harmful or fatal if swallowed. Causes intense corrosive destruction to the mouth, esophagus, throat, and gastrointestinal tract matrix.

12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** Contains surfactant components (Nonylphenol Ethoxylate and Dodecyldimethylamine oxide) that are recognized as toxic to aquatic organisms. Prevent unmitigated discharge into local ecosystems, lakes, or streams.
- **Persistence & Degradability:** Specific data not fully evaluated for the formulated composite matrix.

13. DISPOSAL CONSIDERATIONS

- **Waste Classification:** Check local, state, and federal hazardous waste guidelines to determine proper classification at time of disposal.
- **Container Handling:** Empty containers must be triple-rinsed prior to recycling or discarding. Do not reuse empty container packaging for alternative compounds.

14. TRANSPORT INFORMATION

DOT Shipping Name:	Corrosive Liquids, n.o.s. (Contains Dodecyldimethylamine oxide)
UN Number:	UN1760
Hazard Class:	Class 8 (Corrosive)
Packing Group:	PG II

15. REGULATORY INFORMATION

- **TSCA Inventory Status:** All raw components of this product are explicitly listed on the United States EPA Toxic Substances Control Act Chemical Substance Inventory or are exempt.

- **SARA Section 313:** Isopropyl Alcohol (2-Propanol) is regulated under SARA 313 reporting rules ONLY if manufactured via the strong acid process. Standard inclusion in cleaning formulations is exempt from normal notification mandates but included here for maximum administrative transparent reporting.
- **California Proposition 65:** This product does not intentionally contain components recognized by the State of California to cause cancer, birth defects, or reproductive harm.

16. OTHER INFORMATION

National Fire Protection Association (NFPA) Rating Matrix:

Health Hazard	**3 (Severe)**
Flammability	0 (Minimal)
Instability	0 (Minimal)

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of Genesis Chemical's knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release. It is not to be considered a warranty or quality specification.