

MATERIAL SAFETY DATA SHEET

Ultra Catalyst@ Advanced Generation Formula

SECTION 1: Product Identification

Product name: Ultra Catalyst Advanced Generation Formula
Chemical family: organic acid, aqueous cleaning solution
Common or trade name: acid rinse agent
Formula: proprietary
Description: clear liquid

SECTION 2: Hazardous Rating (NFPA 704 criteria)

		Hazard Rating Scale:
Health:	1	4=Severe
Fire:	0	3=Serious
Reactivity:	0	2=Moderate
Special:	0	1=Slight
		0=Minimal

SECTION 3: Hazardous Ingredient

None established. Contains hydroxyacetic acid and citric acid. No ingredients are regulated as hazardous by OSHA criteria.

SECTION 4: Fire and Explosion Data

Flash point: will not burn
Special Fire Fighting Procedures: not applicable

SECTION 5: Health Hazard Data

Effects of overexposure:

- A. Eye contact: can cause eye irritation with discomfort, tearing or blurring of vision
- B. Ingestion: can cause corrosion of mucous membranes with stomach discomfort and nausea
- C. Inhalation: overexposure may cause irritation of mucous membranes
- D. Skin contact: can cause skin irritation with discomfort or rash

Carcinogenicity: not listed as a carcinogen by IARD, NTP, OSHA, or ACGIH.

Exposure Limits (TLV, PEL): exposure limits have not been established by OSHA or ACGIH for ingredients found in this products.

SECTION 6: Emergency First Aid Procedures

- A. Eye contact: flush with water for 15 minutes, if irritation persists, seek medical care
- B. Skin Contact: immediately wash with plenty of water for at least 15 minutes removing all contaminated clothing. Wash clothing before reuse. If irritation persists get medical attention.

SECTION 7: Handling Procedures

- A. Protective equipment:
 - Eyes: goggles or face shield
 - Skin: rubber gloves
- B. Ventilation requirements: good general ventilation should be provided,
- C. Storage: store in a cool, well ventilated area. Keep containers closed and avoid spills. Store above freezing temperatures.

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SECTION 8: Spill or Leakage Control Procedures

Neutralize spills with alkaline cleaning product (floor cleaner, ammonia, Ultra Dry®, etc.). Flush spill area with plenty of water or absorb liquid with cloths, saw dust, floor absorbent, etc., and dispose of in accordance with applicable regulations.

SECTION 9: Physical Data

The following data is approximate or typical values and should not be used for precise purposes or product specification.

Melting point:	
Vapor pressure:	vapor is water
Volatiles:	
Boiling point:	212°-218°F
Solubility in water:	100% miscible
Evaporation rate:	
Specific gravity (H ₂ O = 1):	
pH: 1.9 to 2.3	
Vapor density (air = 1):	vapor is water
Freezing point:	46°F (precipitates)

SECTION 10: Reactivity Data

Stability:	stable
Hazardous polymerization:	will not occur
Conditions to avoid:	strong oxidizing agents
Incompatibility:	
Hazardous decomposition products:	none known

Inventories: All components of this product are listed on the EPA's TSCA inventory.

The information in this Material Safety Data Sheet is drawn from recognized sources believed to be reliable but is provided without warranty.

The user must determine safe conditions and assume liability for and loss, injury, damage, or expense resulting from use of this product.

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