

# Formula 202 SDS

## IDENTIFICATION:

180653

*Product Identifier:* Formula 202, Formula 202 Ultrasonic Cleaning Solution

*Contact Information:*

Design Technology, Inc.

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630-920-1300

*Recommended use:* This product is designed to clean small engine parts in conjunction with an ultrasonic cleaning machine.

## HAZARDS IDENTIFICATION:

*Hazard Classification:* Non-hazardous

*Signal Word:* Warning

*Hazard Statements:*

Skin corrosion/irritation- Category 2

Serious eye damage/irritation- Category 2

*Precautionary statements:*

P102 Keep out of reach of children.

P262 Do not get in eyes, on skin, or on clothing.

P280 Wear protective gloves and eye protection.

P301+P330+P331+P312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or physician if you feel unwell.

P302+P353+P333+P313 IF ON SKIN: Rinse skin with water/shower. If skin irritation or a rash occurs: Get medical advice/attention.

P305+P351+P338+P337+P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

*Unknown acute toxicity:*

This value refers to knowledge of known, established toxicological or ecotoxicological values. 0 % of the mixture consists of component(s) of unknown toxicity.

*Hazard(s) not otherwise classified (HNOC):* None known

## Composition:

Lauramine Oxide	14-16% w/w	CAS 1643-20-5
Tetrasodium pyrophosphate	1.5-3.5% w/w	CAS 7722-88-5
Sodium metasilicate	1-3% w/w	CAS 6834-92-0

**First Aid Measures:**

In case of skin or eye contact, flush with water. Remove contact lenses if possible. Remove contaminated clothing and wash before reuse. Consult a physician if symptoms persist. May cause eye inflammation or irritation, or minor skin irritation. Permanent eye damage or significant skin irritation may occur with prolonged exposure.

In case of ingestion, give water. Do not induce vomiting. Consult a physician or call poison control if symptoms persist.

In case of inhalation, if dizziness or lightheadedness develops, move to fresh air. Consult a physician if symptoms develop or persist.

**Firefighting measures and Extinguishing media:**

Non flammable under typical conditions.

In case of fire, use alcohol-resistant foam, dry chemical or carbon dioxide. Do not use water jet extinguisher, as this may spread the fire.

**Accidental Release Measures:**

In case of spill, isolate spill and use absorbent media. Clean area with water to ensure full removal of spill. Dispose of solution in accordance with local regulations. Avoid spillage into waterways or onto the ground.

**Handling and Storage:**

Store in closed container away from heat sources and direct sunlight. Keep at room temperature (55-80° F). Keep away from children and pets. Use in a well ventilated area. Do not eat, drink, or smoke when handling this product.

**Exposure Controls/Personal Protection:**

*Personal Protective Measures:* Goggles and chemical resistant gloves (i.e. nitrile rubber gloves) are recommended when handling concentrated solution. Use in a well ventilated area. Do not eat, drink, or smoke when handling this product.

*Exposure Limits:* None known.

**Physical and Chemical properties:**

*Appearance:* Clear/hazy-white liquid

*Odor:* none

*pH:* 10

*melting point:* NA

*boiling point:* 212° F

*flash point:* >200° F

*Flammability:* N/A

*LEL/UEL:* N/A

*Density:* 1.05 g/mL

*Solubility:* soluble in water

**Reactivity and Stability:**

*Reactivity:* Safe for use with most metals. However, may react with some metals, such as copper (oxidation). May react with acids (particulate formation) or strong oxidizing agents (solidification).

*Chemical Stability:* Stable under recommended storage conditions.

**Toxicological Information:**

Concentrate may be corrosive to skin and mucous membranes. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. No component of this product is identified as probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA. This product is not expected to cause reproductive or developmental effects.

Dermal LD50 (Rabbit) >2000 mg/kg

Oral LD50 (Rat) >1065 mg/kg

**Environmental Hazards:**

May be toxic to aquatic life with long lasting effects. Contains phosphates which may contribute to the growth of phytoplanktons in water. Avoid disposal in waterways or onto the ground.

**Other Information:**

*Revised: 3/18/19*

**Disclaimer:**

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