

Phase III, Inc.

MATERIAL SAFETY DATA SHEET

SuperSolve AR

ACID REPLACEMENT CLEANER

Section 1 PRODUCT & COMPANY IDENTIFICATION

Product Name: SuperSolve AR/ Acid Replacement Cleaner

Product Use: Scale and rust remover

Manufacturer: Phase III, Inc.

1820 East Ray Road, Suite A-109

Chandler AZ 85225 USA

For Information: 480-503-2847 (7a.m.-4p.m. CMT. M-F)

Preparation Date: 19 DEC 2008

Section 2 COMPOSITION INFORMATION ON INGREDIENTS

This section is confidential.

Section 3 HAZARDS IDENTIFICATION

Emergency Overview: Avoid eye and skin contact.

Primary Routes of Entry: Eye and oral.

Physical Hazard: None known.

Health Hazard:

Acute Exposure:

Eye: Will cause eye injury, if not immediately removed may burn cornea.

Skin: Brief skin contact not expected to cause difficulty. More prolonged contact may cause skin irritation in sensitive individuals.

Ingestion: In the unlikely situation of the intake of large amounts, the product may cause nausea and digestive upset. Small amounts from fingers and hands not expected to cause problems.

Vapor Inhalation: Vapor not expected to be a problem. Avoid inhalation of mists, which will cause irritation of nose and throat.

Chronic Exposure:

Eye: Expected to cause injury.

Skin: Repeated contact may result in skin defatting and possible dermatitis.

Carcinogenicity Listings: NTP-None, IARC-None, OSHA-None, ACGIH-None.

Signs and Symptoms of Overexposure: Reddening and/or pain .

Medical Conditions Aggravated by Exposure: Dermatitis may intensify in some individuals.

Section 4 FIRST AID PROCEDURES

Eye: Remove any contact lenses, lifting eyelids and immediately flush with water for at least 15 minutes. Seek medical attention.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation develops and persists, contact a physician.

Ingestion: If swallowed do not induce vomiting. Immediately give two glasses of water. Call a physician for appropriate care.

Inhalation: No adverse effects expected under proper handling conditions. Under accidental conditions remove to fresh air. If unconscious apply artificial respiration and get immediate medical help.

Section 5 FIRE AND EXPLOSION HAZARD

Flash Point and Method: None.

Auto Ignition: Does not ignite.

Explosion Limits: Will not explode.

Flammability Classification as Defined by OSHA: Non-Flammable.

Combustion Products: As with any organic material combustion will produce carbon dioxide and/or carbon monoxide. In a fire, may produce hydrogen gas when exposed to some metals.

Extinguishing Media: Water fog, carbon dioxide, dry chemical, foam.

Unusual Fire and Explosion Hazard: May produce dense black smoke. Stay upwind of a fire. Avoid using streams of water that may then spread burning liquid.

Special Fire-Fighting Precautions: Spilled material may be slippery. Take adequate care with footing.

Fire-Fighting Equipment: Use self-contained breathing apparatus (SCBA) in any enclosed space.

Section 6 ACCIDENTAL RELEASE MEASURES

Procedures for Cleanup:

For Small Spills: Wipe up and dispose in a suitable waste container.

For Large Spills: Dike spill with suitable materials such as soil, sand, or absorbent mats and recover reusable product. Soak up remainder and place solid waste in an appropriate waste container. The last product traces can be rinsed with water.

Personal Precautions: Use personal protective equipment.

Environmental Precautions: Do not allow large amounts to enter public waterways or treatment facilities.

Section 7 HANDLING AND STORAGE

Safe Handling and Hygienic Practices: Use appropriate eye protection and gloves.

Storage Requirement: Keep in closed container above freezing and less than 120°F.

Section 8 EXPOSURE CONTROLS

Personal Protection:

Ventilation: No special requirements known.

Respiratory: Use a NIOSH-approved mask if mist is generated.

Eye Protection: Where a splash hazard exists, splash-proof eyewear recommended.

Gloves: Use water-resistant gloves.

Ingestion: Do not ingest.

Exposure Limit Guidelines: No established exposure guidelines.

Section 9 PHYSICAL & CHEMICAL PROPERTIES

Appearance and Odor: Amber, with a musky odor.

Physical State: Liquid

Specific Gravity: 1.06/8.84 lbs/gal.

Solubility in Water: Infinite.

pH of Concentrate: 0-0.5

Vapor Pressure: Data not available.

Boiling Point: 212°F

Viscosity: Thin.

Vapor Density: (Air=1), >1.

Percent Volatile by Volume: >75%

Evaporation Rate: Data not available.

Section 10 STABILITY & REACTIVITY

Stability: Stable.

Conditions to Avoid: High temperatures. Temperatures above 230°F releases CO₂ gas.

Incompatibility: Avoid materials that react strongly with water and avoid strong oxidizing agents. Contact with hyperchlorites will release toxic gases; contact with alkalines will generate heat.

Hazardous Decomposition: Thermal decomposition may produce oxides of carbon and nitrogen; hydrogen gas may be produced with contact to certain metals.

Hazardous Polymerizations: Does not occur.

Section 11 TOXICITY INFORMATION

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria. Not listed with IARC, NTP, or ACGIH.
Acute skin irritation/corrosion test: Found not corrosive to skin after 4-hour exposure.

The current information for this MSDS developed from component data and from manufacturing experience.

Section 12 DISPOSAL CONSIDERATIONS

RCRA Classification: Non-hazardous

Volatile Organic Compound (VOC Content): None

Biodegradability: All components are known to be biodegradable.

Special Instructions: Always, consult local, State and Federal authorities for treatment, storage, transport and disposal compliance.

Section 13 TRANSPORTATION INFORMATION

DOT Labeling: Not regulated.

Canadian T.D.G.: Not regulated.

Proper Shipping Name: Cleaner, N.O.S.

Hazard Class: Not required

Identification Number: N/a

Section 14 REGULATORY INFORMATION

OSHA Compliance: This MSDS prepared according to 29 CFR 1910.1200 and ANSI Z400.1 standard.

TSCA: Although the components of this product find listing under the Toxic Substances Control Act (TSCA), this blended product requires no import or export declarations.

SARA Title III Superfund: The product in its purchased form is not regulated under the SARA hazard categories according to the EPA "Hazard Categories" under sections 311 and 312 of the Superfund Amendment.

CERCLA, State and Local Planning (Reportable Quantities): Not required.

State Right-To-Know Compliance: Not required

Section 15 OTHER INFORMATION

Hazard Rating: Based on the NFPA 704 Standard. **Health = 2, Flammability = 0, Reactivity = 0.**

Rating Scale. None = 0, Slight = 1, Moderate = 2, Severe, damage = 3, Extreme = 4

This information provided is based upon information from recognized vendors and data regarding blend is accurate to the extent of our capabilities to ascertain. It is current. While the information is believed to be accurate, Phase III, Inc. makes no representation as to its accuracy, nor its completeness. We advise the user to make his evaluation and determinations as to whether circumstances of usage, application of product, and disposal are safe and meet governing agency requirements. Information relates only to the product designated herein, and does not relate to any combination with any other material(s), or in any method or process.