

MATERIAL SAFETY DATA SHEET – RUST INHIBITOR

Manufactured by: Aklean Industries, Inc.
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SECTION I – PRODUCT IDENTIFICATION

Product Name: RUST INHIBITOR
Synonyms:
Chemical Description:
Intended Use: Oxidation Retardant

SECTION II – HAZARDOUS INGREDIENTS

| Chemical ID | CAS Number | % Weight | OSHA PEL | ACGIH TLV |
|----------------|------------|----------|----------|-----------|
| Sodium Nitrite | | | | |

SECTION III – PHYSICAL & CHEMICAL PROPERTIES

Appearance and Odor: clearish, watery liquid
Boiling Point °F/C: 320C
Vapor Pressure (mm Hg): N/A
Vapor Density (Air=1): N/A
Solubility in Water: 46% @ 20°C
pH:
Specific Gravity (Water=1): 2.17
Melting Point (°F/C): 271
Evaporation Rate (Butyl Acetate=1): N/A

SECTION IV – FIRE AND EXPLOSION HAZARD

Flash Point (Method):
Extinguishing Media: Flooding amounts of water
Special Fire Fighting Procedures: Material is an oxidizing agent and can supply oxygen to stimulate or accelerate the combustion of organic or other combustible materials.
Fire and Explosion Hazards: Material is reported to explode when heated over 1000°F (537°C)
Flammable Limits (LFL/UFL):

SECTION V – HEALTH HAZARD AND FIRST AID

Routes of Entry (Inhale, Ingest, Skin, Eye): All
Health Hazard (Acute and Chronic): Eye and skin irritation
Carcinogen/Details:
OSHA Regulated?
Signs and Symptoms of Exposure: See "Health Hazard" above
Medical Conditions Generally Aggravated by Exposure:
Emergency and First Aid Procedures:
Inhalation -
Ingestion - Rinse mouth and drink 2–4 glasses of water.
Induce vomiting. Continue until vomit is clear.
Skin - Wash with plenty of soap and water.
Eyes - Flush with plenty of water for 15 minutes.

SECTION VI – STABILITY AND REACTIVITY

Stability: Stable
Incompatibles:
Hazardous Decomposition:
Hazardous Polymerization: Will Not Occur
Conditions to Avoid:

SECTION VII – HANDLING AND STORAGE

Handling: Do not use metal tools or containers.
Respiratory Protection: Where conditions require it, use a respirator approved by NIOSH.
Ventilation:

Hand Protection: Rubber gloves
Other Protective Clothing/Equipment: Rubber apron when handling full strength.
Work/Hygienic Practices:
Storage: Do not store in metal containers.
Other Precautions: Keep away from children and untrained personnel.

SECTION VIII – SPILL AND DISPOSAL

Containment:
Clean-Up: Immediately sweep or shovel material into clean fiber or steel drum. Close and label "Oxidizer". Store container in a cool, dry place.
Disposal: Disposal of waste may be subject to federal, state, and local regulations as an EPA ignitable waste. Users should review their regulations.
Other Emergency Advice:

SECTION IX – TRANSPORTING

SECTION X – REGULATORY INFORMATION

SECTION XI – NFPA HAZARD RATINGS

| | | | | | |
|-------------|------------|--------------|-------------|------------|--|
| | | Health | | | |
| | | Flammability | | | |
| | | Reactivity | | | |
| 0 = Minimal | 1 = Slight | 2 = Moderate | 3 = Serious | 4 = Severe | |

SECTION XII – OTHER INFORMATION

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

SECTION XIII – REFERENCES

END
