



SDS – SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier: RRC600 Rust Remover and Conditioner

Synonyms: None

Chemical Formula: Not applicable for mixtures

Recommended Use of the Chemical: For industrial use only. Do not take internally.

Manufacturer / Supplier: Truco Inc.

Address: 3033 West 44th Street, Cleveland, OH 44113

Website: www.truco-inc.com

Phone: (216)-631-1000

Emergency CHEMTREC Phone: (800) 424-9300

2. HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture:

Flammable liquids (Category 4)

Acute toxicity, oral (Category 4)

Acute toxicity, inhalation (Category 2)

Skin corrosion (Category 1B)

Serious eye damage (Category 1)

Risk Phrases:

R20: Harmful by inhalation.

R22: Harmful if swallowed.

R23: Toxic by inhalation.

R34: Causes burns.

Label Elements:

Signal Word: Danger



Hazard Statements:

H227: Combustible liquid.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H330: Fatal if inhaled.

Precautionary Statements:

P210: Keep away from heat / sparks / open flames / hot surfaces. No smoking.

P233: Keep container tightly closed.

P242: Use only non-sparking tools.

P260: Do not breathe dust / fume / gas / mist / vapors / spray.

P264: Wash hands thoroughly after handling. Wash contaminated work clothing before reuse.

P270: Do not eat, drink or smoke when using this product.

P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

P331: DO NOT induce vomiting.

P301+P310+P331: IF SWALLOWED, immediately call a doctor. Do NOT induce vomiting.
P303+P361+P352: IF ON SKIN (or hair): Remove/ take off immediately all contaminated clothing. Wash with soap and water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.

3. COMPOSITION INFORMATION / INGREDIENTS

Ingredient	CAS Number	EC Number	Percent
Phosphoric Acid	7664-38-2	231-633-2	30-35%
2-Butoxyethanol	111- 76-2	203-905-0	5-15%

4. FIRST-AID MEASURES

In all cases, call a physician immediately.

Inhalation: This material has a low vapor pressure and is not expected to present an inhalation exposure problem under ambient conditions. If vapor or mist is generated when the material is heated or handled, remove the victim from the exposure. If breathing has stopped or is irregular, administer artificial respiration and supply Oxygen if it is available. If victim is unconscious, remove to fresh air. Seek immediate medical attention.

Ingestion: Aspiration hazard. If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE. If vomiting occurs, keep head below hips to prevent aspiration into lungs. Never give anything by mouth to an unconscious person. Call a physician immediately.

Skin Contact: Immediately wash / flush skin with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician, immediately. Wash clothing before reuse. Call a physician immediately.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Fire: Flammable liquid.

Explosion: Combustible.

Fire Extinguishing Media: The use of water as the extinguishing medium may only lead to spreading the fire. Try to cover liquid spill with foam. Chemical extinguishers may also be used as well as Carbon Dioxide. Water spray may be used to cool fire exposed containers and surfaces.

Special Information: Respiratory and eye protection required for fire-fighting personal. Full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires, which may be easily extinguished with a portable fire extinguisher, use of an SCBA may not be required.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Slippery, can cause falls if walked on.

Environmental Precautions and Methods and Materials for Containment and Cleaning Up: Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth,) and place in an approved chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not

ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. Wipe up small spills and place wipers in an approved disposal container. Wash or steam clean the area of the spill.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Wear personal protective equipment as specified in Section 8. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe vapors or spray mist. Avoid prolonged or repeated contact with skin. Wash hands before eating, smoking, or using toilet facilities. Wash contaminated work clothing before re-use.

Conditions for Safe Storage, Including Any Incompatibilities: Protect against physical damage. Keep container tightly closed in a dry and well-ventilated location at ambient temperature and atmospheric pressure away from incompatible materials (reference Section 10.) Empty containers may retain hazardous properties. Keep away from heat, sparks, and flame. Protect from freezing. **KEEP OUT OF REACH OF CHILDREN.**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits:

Phosphoric Acid (7664-38-2):

OSHA Permissible Exposure Limit (PEL): 1 mg/m³ TWA

ACGIH Threshold Limit Value (TLV): 1 mg/m³ TWA, 3 mg/m³ STEL

2-Butoxyethanol (111-76-2):

OSHA Permissible Exposure Limit (PEL): 50 ppm, 240 mg/m³ TWA

ACGIH Threshold Limit Value (TLV): 20 ppm, 97 mg/m³ TWA

Ventilation System: A system of local and / or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved): Maintain adequate ventilation. A respirator is not normally required in ventilated areas. If TLV is exceeded a NIOSH / MSHA approved breathing apparatus is recommended. Contact safety equipment supplier.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles and / or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Work / Hygienic Practices: Always follow good housekeeping practices. Avoid contact with surfaces where material will not be applied.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless watery liquid

Odor: No data available

Odor Threshold: Not determined

pH: No data available

Melting Point: Not determined

Boiling Point / Boiling Range: Not determined

Flash Point: Not determined

Evaporation Rate (BuAC=1): Slower than butyl acetate

Flammability: Flammable liquid

Upper / Lower Flammability or Explosive Limits: Upper 5.0, Lower 0.8

Vapor Pressure (mm Hg): Less than 10 mm Hg

Vapor Density (Air=1): Heavier than air

Relative Density: Heavier than water

Solubility: Not determined

Partition Coefficient: n-octanol / water: No data available
Auto-ignition Temperature: Not determined
Decomposition Temperature: Not determined
Viscosity: No data available

10. STABILITY AND REACTIVITY

Reactivity and / or Chemical Stability: Stable under ordinary conditions of use and storage.

Possibility of Hazardous Reactions and Conditions to Avoid: See Incompatible Materials. Keep away from heat / sparks / open flames / hot surfaces.

Incompatible Materials: Strong oxidizing agents. Strong acids.

Hazardous Decomposition Products: When burning under conditions of restricted air, there is a possibility of the generation of toxic gases (Carbon Monoxide, Carbon Dioxide, and various hydrocarbon fragments.)

11. TOXICOLOGICAL INFORMATION

Emergency Overview:

Potential Health Effects:

Inhalation: Excessive inhalation of the concentrated vapors from this product may cause headache, coughing, breathing difficulty, convulsions, shock, severe irritation of the mucous membranes and severe lung congestion. Mist or vapor inhalation can cause irritation to the nose, throat, and upper respiratory tract. Severe exposures can lead to a chemical pneumonitis.

Ingestion: Corrosive. May cause sore throat, abdominal pain, nausea, and severe burns of the mouth, throat, and stomach. Severe exposures can lead to shock, circulatory collapse, and death.

Skin Contact: Corrosive. May cause redness, pain, and severe skin burns.

Eye Contact: Corrosive. May cause severe irritation of the eye, leading to burns if not immediately treated.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems, or impaired liver, kidney or respiratory function may be more susceptible to the effects of the substance.

Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System): No data available.

Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System): No data available.

Germ Cell Mutagenicity: No data available.

Reproductive Toxicity: No data available.

Aspiration Hazard: Product may cause damage if aspirated into the lungs. Summon immediate medical help.

Numerical Measures of Toxicity: Cancer Lists: NTP Carcinogen

Ingredient	CAS Number	Known	Anticipated	IARC Category
Phosphoric Acid	7664-38-2	No	No	None
2-Butoxyethanol	111- 76-2	No	No	None

Acute Toxicity:

Phosphoric Acid (7664-38-2):

LD50 Oral - rat - 1530 mg/kg; investigated as a mutagen.

2-Butoxyethanol (111- 76-2):

LD50 Oral - 470 mg/kg (rat)

LC50 Inhalation - 450 ppm, 4h (rat)

LD50 Dermal - 220 mg/kg (rabbit)

LD50 Intraperitoneal - 220 mg/kg (rat)

LD50 Intravenous - 307 mg/kg (rat)

12. ECOLOGICAL INFORMATION**Ecotoxicity:** This material has not been tested for environmental effects.**Persistence and Degradability:** No data available.**Bioaccumulative Potential:** No data available.**Mobility in Soil:** No data available.**Results of PBT and vPvB assessment:** No data available.**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.**13. DISPOSAL CONSIDERATIONS**

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved incinerator or disposed in an approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Empty containers may retain hazardous properties. Containers must not be used for other purposes. Do not weld or flame cut an empty container. Do not transfer to unmarked containers. Follow all SDS label warnings even after container is empty.

14. TRANSPORT INFORMATION**UN Number:** UN1760**UN Proper Shipping Name:** Corrosive Liquids, N.O.S.**Packing Group:** III**Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic)****Transport Hazard Class(es):** 8**Maritime Transport IMDG/GGVSea****Transport Hazard Class(es):** 8**Marine Pollutant:** Yes**Air Transport ICAO-TI and IATA-DGR****Transport Hazard Class(es):** 8**Transport in Bulk (According to Annex II of MARPOL 73/78 and the IBC Code):** Not Applicable**Special Precautions for User:** Corrosive

15. REGULATORY INFORMATION

313 of SARA requires suppliers of mixtures or products containing these regulated chemicals to notify their customers. Therefore we are notifying you that this product contains Section 313 listed materials and their respective percentage by weight is indicated below.

2-Butoxyethanol (111- 76-2) 5-15%

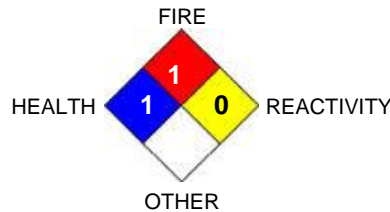
Under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) any environmental release of the following chemicals at or over the reportable quantity listed must be reported promptly to the National Response Center; Washington, DC; 1-800-424-8802.

2-Butoxyethanol (111- 76-2) 1 lb.

16. OTHER INFORMATION

HMIS / NFPA Hazard Rating:

4=EXTREME
3= SERIOUS
2= MODERATE
1=SLIGHT
0=MINIMAL



Effective Date: 04/01/15 – Standardized for GHS / REACH

Previous Revisions: 05/08/14 – First Issue

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