

SECTION 1 Product and company identification

Product identifier:	KOMPOZIT RUST CONVERTER
Product number:	RC100
Product class:	Water-based rust converter / metal surface preparation
Recommended use:	Preparation of ferrous metal surfaces prior to application of anticorrosive protective coatings. Typical applications include vehicles, trailers, fences, iron railings, sheet metal, outside of tanks, lawn equipment, and similar rusted steel surfaces.
Restrictions on use:	None known
Manufacturer:	Kompozit LLC / 1033 SW 30th Ave / Deerfield Beach, FL 33442 / www.kompozitusa.com
Information phone:	(954) 531-0983
Emergency phone:	(305) 497-8051

SECTION 2 Hazards identification

GHS classification:	Serious eye damage / eye irritation — Category 1
Signal word:	Danger
Pictogram:	 GHS05
Hazard statements:	H318 — Causes serious eye damage
Precautionary statements — prevention:	P260 — Do not breathe mist/vapors/spray. P264 — Wash hands thoroughly after handling. P280 — Wear protective gloves, protective clothing, and eye/face protection.
Precautionary statements — response:	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.
Precautionary statements — disposal:	P501 — Dispose of contents/container in accordance with local, regional, national, and international regulations.
Hazards not otherwise classified:	None known
Appearance:	Brown liquid
Odor:	Slight

SECTION 3 Composition / information on ingredients



Chemical name	CAS number	Weight %
Oxalic acid, dihydrate	6153-56-6	1 – <3
Tannic acid	1401-55-4	1 – 8

Any concentration shown as a range is to protect formulation confidentiality. Remaining components are not classified as hazardous under the OSHA Hazard Communication Standard.

SECTION 4 First-aid measures

Eye contact:	Immediately rinse cautiously with water for several minutes, keeping eyelids open. Remove contact lenses if present and easy to do — continue rinsing for at least 15 minutes. Immediately call a POISON CENTER or doctor/physician.
Skin contact:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular, or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
Ingestion:	Do not induce vomiting unless directed by medical personnel. Rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Symptoms — acute and delayed:	Eye: redness, irritation, serious eye damage. Skin: mild irritation on prolonged contact. Inhalation: transient irritation of the respiratory tract. Ingestion: gastrointestinal irritation, nausea, and diarrhea.
Notes to physician:	Treat symptomatically and supportively. Show this safety data sheet to the attending physician when possible.

SECTION 5 Fire-fighting measures

Flash point:	> 100 °C (waterborne)
Flammability classification:	Not flammable
Extinguishing media:	Foam, carbon dioxide, dry chemical powder, or water spray. Select based on nature of surrounding fire.
Unsuitable extinguishing media:	Do not use a direct water jet that could spread the fire.
Unusual fire and explosion hazards:	Under normal conditions, no fire hazard. Closed containers may rupture due to pressure build-up when exposed to extreme heat. When exposed to high temperatures, hazardous decomposition products may form — see Section 10.

Special fire-fighting procedures:

Use water spray to keep fire-exposed containers cool. Do not inhale combustion gases. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode.

SECTION 6 Accidental release measures

Personal precautions:

Avoid contact with eyes, skin, and clothing. Avoid breathing mist or spray. Provide adequate ventilation. Wear appropriate personal protective equipment — see Section 8.

Containment and cleanup:

Contain and collect spillage with non-combustible absorbent material such as sand, earth, vermiculite, or diatomaceous earth. Place in a suitable container for disposal. Preferably, clean residual area with a detergent. Avoid using solvents.

Environmental precautions:

Do not allow product to enter drains, watercourses, or soil. Inform local authorities if significant spillage cannot be contained.

SECTION 7 Handling and storage

Handling:

Avoid skin contact and exposure to spray mist and vapor. Avoid eye contact. Eating, drinking, and smoking should be prohibited in areas where this material is handled and stored. Wash hands before breaks and immediately after handling the product. Keep out of the reach of children.

Storage:

Store away from direct sunlight in a dry, cool, well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed and upright to prevent leakage. Do not store in unlabeled containers. Recommended storage temperature: +5 to +25 °C (41 to 77 °F). Protect from freezing.

Storage category:

Not applicable

SECTION 8 Exposure controls / personal protection

Occupational exposure limits:

Chemical name	Source	Limit
Oxalic acid, dihydrate	ACGIH	TLV-TWA: 1 mg/m ³ ; TLV-STEL: 2 mg/m ³
Tannic acid	ACGIH	N/A

Engineering controls:

Provide adequate ventilation. Local exhaust preferable. General exhaust acceptable if exposure to materials in Section 3 is maintained below applicable limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.



Respiratory protection:	A respirator is not normally required under intended conditions of use. If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted NIOSH/MSHA-approved respirator. When spraying, wear an approved/certified respirator and verify a tight fit.
Eye protection:	Chemical splash goggles (indirect-vent). Wear a face shield where splashing is possible. Contact lenses should not be worn when working with this product.
Skin protection:	Wear acid-resistant protective gloves (e.g., nitrile or neoprene) recommended by glove supplier for protection against materials in Section 3. Wear appropriate protective clothing to prevent skin contact.

SECTION 9 Physical and chemical properties

Physical state:	Liquid
Color:	Brown
Odor:	Slight
pH:	1.3
Density:	8.63 lb/gal
Specific gravity:	1.03
Boiling point:	100 °C (water)
Freezing point:	0 °C (water)
Flash point:	> 100 °C (waterborne)
Flammability:	Not applicable
Vapor density:	Not applicable (waterborne)
Evaporation rate:	Slower than ether
Solubility in water:	Miscible in any proportions
Nonvolatile content:	Approximately 6.8%
Percent volatile by weight:	Approximately 93.2%
VOC (less water):	< 50 g/L
Explosive / oxidizing properties:	No explosive or oxidizing ingredients present

SECTION 10 Stability and reactivity

Stability:	Stable under recommended storage and handling conditions (see Section 7).
Reactivity:	Not reactive under regular storage and use conditions.



Possibility of hazardous reactions:	Will not occur under normal conditions.
Conditions to avoid:	Extreme heat, freezing, and prolonged exposure to air and light.
Incompatible materials:	Strong alkalis/bases, oxidizing agents, hypochlorites/bleach, reactive metals (e.g., zinc, magnesium, aluminum), and other materials incompatible with acidic solutions.
Hazardous decomposition products:	When exposed to high temperatures, hazardous decomposition products may form, including carbon monoxide, carbon dioxide, smoke, and oxides of nitrogen.
Hazardous polymerization:	Will not occur

SECTION 11 Toxicological information

Chemical name	CAS number	Toxicology
Oxalic acid, dihydrate	6153-56-6	LD50 oral rat: 1,080 mg/kg bw; LD50 dermal rabbit: not classified
Tannic acid	1401-55-4	LD50 oral rat: 2,260 mg/kg bw

Skin corrosion / irritation:	Not classified. May cause mild skin irritation on prolonged contact.
Serious eye damage / irritation:	Causes serious eye damage (H318).
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT — single exposure:	Not classified
STOT — repeated exposure:	Not classified
Aspiration hazard:	Not classified

SECTION 12 Ecological information

Ecotoxicity:	No test data available on the product itself.
Persistence and degradability:	No specific data
Bioaccumulative potential:	No specific data
Mobility in soil:	Ingredients of this mixture have low mobility.
PBT / vPvB assessment:	This mixture does not contain any substances assessed to be PBT or vPvB.

Other adverse effects: Not available

SECTION 13 Disposal considerations

Waste disposal method: Gather residues into waste containers. Liquid residues and cleaning liquids must not be emptied into drains or sewage systems — handle in accordance with applicable national, state/provincial, and local regulations. Product residues should be left at permitted facilities authorized to collect this kind of waste. Do not incinerate closed containers.

Appropriate disposal / packaging: Empty packaging should be recycled or disposed of in accordance with applicable regulations.

SECTION 14 Transport information

US ground (DOT): Not regulated for transportation

IMO: Not regulated for transportation

IATA / ICAO: Not regulated for transportation

Multi-modal shipping descriptions are provided for informational purposes only. Compliance with applicable regulations is the sole responsibility of the person offering the product for transport.

SECTION 15 Regulatory information

SARA 313: No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

TSCA certification: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 Other information

Disclaimer

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