



SAFETY DATA SHEET

DISTRIBUTED BY:

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SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT NAME: TotalBoat White Knight Fiberglass Stain Remover
MODEL NUMBER: TB-0472
CHEMICAL FORMULA: Acid gel heavy duty cleaning compound

SECTION 2 – HAZARDS IDENTIFICATION

Classification of substance/mixture: Eye damage and skin irritant.

Label elements

Signal word DANGER!

Hazard statement Causes skin irritation. Causes serious eye damage. May be corrosive to respiratory tract.

Precautionary statements

Prevention Wash hands, forearms, and exposed areas thoroughly after handling. Wear eye protection. protective clothing, protective gloves.

Response

If on skin Wash with plenty of fresh water. Take off contaminated clothing and wash before reuse. If skin irritation occurs obtain medical attention/advice.

If in eyes Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Immediately call a poison control center or doctor.

Hazard(s) not otherwise classified (HNOC)

None known.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	%
Oxalic Acid	144-62-7	5 - 10

Unlisted components are non-hazardous.

SECTION 4 – FIRST AID MEASURES

General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet and/or label to the doctor in attendance.

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory irritation, dizziness, or unconsciousness occurs, seek immediate medical assistance. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin contact Take off immediately all contaminated clothing. Wash with plenty of water for 15 minutes. If irritation occurs, obtain medical attention/advice. Wash contaminated clothing before reuse.

Eye contact Immediately flush eyes with plenty of water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

Ingestion Rinse mouth. Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms/effects, acute and delayed

Not likely to be inhaled, however, inhalation may cause immediate severe irritation progressing quickly to chemical burns.

Causes skin irritation, redness, pain, swelling, itching, burning, dryness and dermatitis.
Causes serious eye damage. Causes permanent damage to the cornea, iris or conjunctiva.
Ingestion is likely to be harmful or have adverse effects. May cause burns or irritation of the linings of the mouth, throat and gastrointestinal tract.

Chronic symptoms not expected under normal conditions of use.

Indication of immediate medical attention and special treatment needed

If you feel unwell, seek medical attention/advice or call a doctor or Poison Control Center.

SECTION 5 – FIRE FIGHTING MEASURES

Suitable extinguishing media Dry chemical powder. Alcohol resistant foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet or heavy water stream, as this will spread the fire.

Specific hazards arising from the chemical As is, this product is not flammable or explosive. However, Reacts with strong oxidants causing fire and explosion hazard. May react with some silver compounds, tin, aluminum and zinc causing fire or explosion hazard. Attacks some forms of plastic.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions Move containers from fire area if you can do so without risk.

Hazardous combustion products Carbon dioxide, Carbon monoxide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Avoid contact with skin, eyes or clothing. Wear appropriate protective equipment and clothing during clean-up.

Environmental precautions Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling Do not get in eyes, on skin, or on clothing. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage Store in a cool, dry, well-ventilated place. Keep container closed.

SECTION 8 – ACCIDENTAL RELEASE MEASURES

US. ACGIH Threshold Limit Values

Components	Type	Value
Oxalic Acid (CAS 144-62-7)	STEL	2 mg/m ³
	TWA	1 mg/m ³

Biological limit values No biological exposure limits noted for the ingredients.

Appropriate engineering controls Good general ventilation. Fresh water source must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles) and a face shield.

Skin protection Wear protective gloves such as: Neoprene. Latex. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an acid gas cartridge.

General hygiene considerations

Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state Translucent Gel

Color Light blue.

Odor Acid.

pH < 1

Melting point/freezing point < 0 °F (< -17.8 °C)

Initial boiling point and boiling range 185 °F (85 °C)

Flash point None (Tag Closed Cup)

Evaporation rate Slow.

Flammability (solid, gas) Not available

Upper/lower flammability or explosive limits

Flammability limit – lower (%) Not available.

Flammability limit – upper (%) Not available.

Vapor pressure Not determined.

Vapor density Not determined.

Relative density 1.0

Solubility (water) Completely soluble.

Percent volatile Not determined.

Volatile Organic Compounds (VOC) None.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity Reacts with strong oxidants causing fire and explosion hazard. May react with some silver compounds, tin, aluminum and zinc causing fire or explosion hazard. Attacks some forms of plastic.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Do not mix with other chemicals. Avoid exposure to direct sunlight, extremely high temperatures and incompatible materials.

Incompatible materials Strong oxidizing agents, acids, bases. Some silver, tin, aluminum and zinc compounds.

Hazardous decomposition products No hazardous polymerization will occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Not likely to be inhaled. May cause severe irritation progressing quickly to chemical burns.

Skin contact Causes skin irritation.

Eye contact Causes serious eye damage.

Ingestion May cause burns or irritation of the linings of the mouth, throat and gastrointestinal tract.

Symptoms related to the physical, chemical and toxicological characteristics Causes skin irritation. Causes serious eye damage. May be corrosive to respiratory tract.

Information on toxicological effects

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Chronic effects Chronic symptoms not expected under normal conditions of use.

SECTION 12 - ECOLOGICAL INFORMATION

Toxic to aquatic life. Harmful to aquatic life with long lasting effects. Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems. Long term ecological studies have not been determined for this product.

Ecological data is available for the following acids:

Oxalic acid (CAS 144-62-7): Crustacea EC50 Water flea (*Daphnia magna*) 25 – 150 mg/L, 48 hours.

Avoid discharge into sewers or waterways.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of waste from residues / unused products

This material and its container must be disposed of as hazardous waste. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose in accordance with all applicable regulations.

Hazardous waste code

D002: Waste Corrosive material [pH \leq 2 or \geq 12.5, or corrosive to steel]

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14 - TRANSPORT INFORMATION

UN number Not regulated.

UN proper shipping name Not regulated.

Marine Pollutant No.

IMDG Not regulated.

IATA Not regulated.

SECTION 15 - REGULATORY INFORMATION

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Oxalic Acid (CAS 144-62-7) 1.0 % One-Time Export Notification only.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

SARA 304 Emergency release notification Not regulated.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance Not listed.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List None.

Administration (FDA) Superfund Amendments and Reauthorization Act of 1986 (SARA) None.

Section 311/312 Hazard categories SARA 302 Extremely hazardous substance Immediate (acute) health hazard.

US. California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): None.

16 – OTHER INFORMATION

NFPA rating: Health = 3, Flammability = 0, Reactivity = 0, Other = 0).

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