

# TORNADO - Acid Replacement Technology

## PATENTED — THE WORLD'S ONLY NON-ACID CONCRETE EQUIPMENT WASH

### WHAT IS TORNADO?

**TORNADO** is a synthetic acid that is 100% Biodegradable, Non-Corrosive, Non-Regulated, and a Non-Skin Irritant. ART is being used in the Concrete Industry to replace the harsh acids used to dissolve concrete. These harsh acids have posed a threat to our health, our equipment, and our environment. Developed by Peach State Laboratories, Acid Replacement Technology (ART) is TORNADO with EPA, OSHA, and DOT regulations.

### MANUFACTURING AND DISTRIBUTION OF TORNADO

Peach State Laboratories and their Patented ART technology, now in partnership with Power Kleen Corporation, joins the Right Off family of products. Currently the largest manufacturer of concrete products in the United States, Power Kleen cements **TORNADO**'s future in the industry as the sole manufacturer and distributor of Peach State's ART technology in the United States and abroad. **TORNADO** users will now enjoy the same unmatched research and development, service, technological advances, and product quality that Power Kleen customers have known for over 30 years.

### TORNADO USE

**TORNADO** can be used as a daily truck wash to remove built-up concrete without any neutralization. **TORNADO** is so safe, it can be used on any surface, including glass, aluminum, chrome, rubber, plastic, or paint. **TORNADO** also includes detergents for degreasing, corrosion inhibitors, optical brighteners, foaming agents, water softeners, and surface expanders.

Start washing your equipment with **TORNADO** today and enjoy the benefits of using a true, "one of a kind" concrete remover. Your customers, your equipment, and your employees will thank you!

### PRODUCT HIGHLIGHTS:

- 100% Synthetic Acid
- Approved & Certified by Peach State Laboratories
- OSHA Compliant
- DOT Classification: Not Regulated
- Low Contributor To BOD/COD in Effluents
- A low pH Organic Salt that is used to replace traditional harsh acids
- No Phosphates
- Non-Fuming
- Safe on All Surfaces
- Safe on Skin
- Removes Concrete Quickly and Efficiently
- Removes Grease and Grime
- Up to 10 times more effective than other industry products when dissolving Calcium Carbonate

### TRANSPORT INFORMATION:

Proper Shipping Name -  
Non-Hazardous for Transport by Truck  
DOT Hazard Class - Not Regulated  
Packing Group - Not Regulated  
ID# - None

#### AVAILABLE IN:

1 Gal Jug, 5 Gal Bucket, 55 Gal Drum,  
275 Gal Tote, 300 Gal Leg Tank  
or delivered via Tanker Truck



#### GUARANTEE:

Jamson Labs' / Power Kleen's manufacturing and laboratory controls ensure uniform quality throughout our product line. All Jamson Labs / Power Kleen manufactured products are guaranteed for 1 year when used as directed.

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Metal Studies

Department of Transportation (DOT) Shipping Test Protocols as per Section 173.154 Exceptions for Class 8 (corrosive materials): A liquid is considered to be corrosive if its corrosion rate exceeds 6.25 mmpy on Steel (SAE 1020 carbon steel) at a test temperature of 55° C.

*Results of Tornado Testing:*  
SAE 1020 carbon steel = 0.64 mmpy

*Conclusion:* Tornado was proven to be a Non-Regulated material with regards to shipping over the road.

Toxicity Studies

Test Procedure OECD 202, 48hour

*Results of Tornado Testing:* LC 50 and LD 50 (rat oral) scores found RMWW to be Non-Toxic.

Dermal Irritation Study

A modified Draize method was used as described in OECD Guidelines for the Testing of Chemicals, Sec. 404, Paris 1981 (revised 1992). This study complies with the requirements of OECD Principles of GLP, Annex, Paris, 1981, revised as of July 1992.

*Results of Tornado Testing:* Tornado received a Primary Irritation Score of 2.1 ± 0.9 and is classified as a Non-Skin Irritant.

Mutagenicity Studies

Tested by the Ames Assay (OCED Guidelines for Testing of Chemicals, Sec. 471).

*Results of Tornado Testing:* Tornado was found NOT TO BE MUTAGENIC.

Biodegradation & Aquatic

**Test Procedure:** Hach Reactor Digestion method for Waste Water and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods.

*Results of Tornado Testing:* Tornado was found to be 100% Biodegradable.

COD = Low Detectable Limits  
BOD = No Detectable Limits

**CLASSIFICATIONS & APPROVALS**

NON-Regulated

DOT, TDG, IMO, IATA, IMDG, SARA 313 311-312, California Prop 65

FDA

Approved as Safe (GRAS)

USDA Authorization

A1, A2, A3, A4, A7, A8, C2, G6 & G7

**RESEARCH & DEVELOPMENT**

Power Kleen Corporation maintains a fully equipped laboratory and a chemist on hand at all times. We not only maintain the superior level of quality set for our products but continually strive to develop cleaning solutions for the future.

**PRODUCT QUALITY**

TORNADO is strictly monitored by both Peach State Laboratories & Power Kleen Corporation. Each batch of TORNADO produced is checked for quality by Peach State and then again by Power Kleen before packaging. Random samples are also taken from the field every month and are tested again by both

for quality, contamination, and tampering.

**TECHNICAL DATA**

Phosphoric Acid: None  
Muriatic Acid: None  
Hydrochloric Acid: None  
Sulfuric Acid: None  
Hydrofluoric Acid: None  
Nitrate Level: None  
Rinse Additives: Positive  
Detergent Package: Positive  
Surfactant Package: Positive  
Solvent Package: Positive  
Emulsifiers: Positive  
Shipper Regulations: None  
Weight: 9.09  
Odor: Mild

Characteristic Color: Clear Amber  
Viscosity: 10 CPS  
Flash Point: None  
Freezing: -37° F  
Stability: 18 mths  
Carcinogens: None  
Toxicity: Non Toxic  
Biodegradable: 100%  
Solubility: 100%  
Volatility: None