#### **MATERIAL SAFETY DATA SHEET**

### **SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: Tornador® Turbo Cleaner MANUFACTURER: Dehn's Innovations, LLC

SYNONYMS: NA ADDRESS: 4421 Black Otter Trail

PRODUCT CODES: TC-100 Dallas, Texas 75287

PRODUCT USE:Multi-Surface CleanerPHONE NUMBER:972-380-2906PREPARED BY:Robert BlahnikFAX NUMBER:972-248-8542

DATE PREPARED: 3-May-2012 EMAIL ADDRESS: info@dehnsinnovations.com

DATE REVISED: NA IN CASE OF EMERGENCY: 972-897-1409

### **SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

Components not listed are either non-hazardous or in concentrations of less than 1%

INGREDIENT CAS NO. % WT:

Tetrasodium Glutamate Diacetate 51981-21-6 <2%

### **SECTION 3: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:** Non-Hazardous

ROUTE(S) OF ENTRY: INHALATION: Yes SKIN: Yes INGESTION: Yes EYES: Yes

POTENTIAL HEALTH EFFECTS INHALATION: Irritant SKIN: Irritant INGESTION: Irritant EYES: Irritant

**ACUTE HEALTH HAZARDS:** 

Skin: May cause mild irritation. Eyes: May cause mild irritation. Ingestion: May be irritate digestive tract if swallowed.

**CHRONIC HEALTH HAZARDS:** None

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE May aggravate pre-existing skin conditions.

CARCINOGENICITY OSHA: Not Listed ACGIH: Not Listed NTP: Not listed IARC: Not Listed OTHER:

## **SECTION 4: FIRST AID MEASURES**

EYES: Flush with water for at least 15 minutes. Call physician if irritation persists.

**SKIN:** Wash with soap and water, see physician if irritation persists.

**INHALATION:** Remove to fresh air, give oxygen if needed.

**INGESTION:** Do not induce vomiting. Get medical attention.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: No other instructions needed

# **SECTION 5: FIRE-FIGHTING MEASURES**

FLAMMABLE LIMITS IN AIR (% BY VOLUME) UPPER: NA LOWER: NA

FLASH POINT: None METHOD USED: AUTOIGNITION TEMPERATURE: None

NFPA HAZARD CLASSIFICATION: TOXICITY: 0 FLAMMABILITY: 0 REACTIVITY: 0 OTHER:

**EXTINGUISHING MEDIA:** Use whatever is appropriate to extinguish adjacent fire.

SPECIAL FIRE FIGHTING PROCEDURES: None UNUSUAL FIRE AND EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: None known

USA

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **ACCIDENTAL RELEASE MEASURES:**

Contain spill. Remove with inert absorbent material. Wash spill area with water.

### **SECTION 7: HANDLING AND STORAGE**

#### HANDLING AND STORAGE:

Store containers upright with lids (caps) tightly closed. Store between 40F(4C) - 100F(37.7C) Keep from freezing.

**OTHER PRECAUTIONS:** Keep out of the reach of children. Do not get in eyes or on skin.

# **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

INGREDIENT: CAS NO: OSHA-PEL ACGIH - TLV STEL

Tetrasodium Glutamate Diacetate 51981-21-6 ND ND ND

**ENGINEERING CONTROLS:** 

VENTILATION: LOCAL EXHAUST: Adequate MECHANICAL: OTHER:

**RESPIRATORY PROTECTION:** None necessary

EYE PROTECTION: Approved Safety Glasses SKIN PROTECTION: Rubber or Neoprene Gloves

**PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash fountain in work area is recommended.

**WORK HYGIENIC PRACTICES:** Observe good housekeeping practices.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Green ODOR: None pH AS SUPPLIED: 12.4

PHYSICAL STATE: Clear Liquid SOLUBILITY IN WATER: Complete

BOILING POINT: 221° F 105° C MOLECULAR WEIGHT:

MELTING POINT: F C VISCOSITY: 250-500 mPa.s

FREEZING POINT: F C SPECIFIC GRAVITY (H2O = 1): 1.15

EVAPORATION RATE: BASIS (Butyl Acetate=1): VAPOR PRESSURE (mmHg):

### **SECTION 10: STABILITY AND REACTIVITY**

Stable CONDITIONS TO AVOID: None

**INCOMPATIBILITY (MATERIAL TO AVOID):** None

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon oxides and silicone oxides

HAZARDOUS POLYMERIZATION: Will not occur CONDITIONS TO AVOID (POLYMERIZATIC NA

### SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENT: CAS NO:

Tetrasodium Glutamate Diacetate 51981-21-6 The acute LC50 is not available for this product.

# **SECTION 12: ECOLOGICAL INFORMATION**

INGREDIENT: CAS NO:

Tetrasodium Glutamate Diacetate 51981-21-6 Readily biodegradable, non-toxic, bioaccumulation: Log Pow <3

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** In accordance with Federal, State and local regulations.

RCRA HAZARD CLASS: Not Regulated

## **SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION** 

PROPER SHIPPING NAME: Cleaning Compounds Not regulated in accordance with the 49CFR

IATA - AIR TRANSPORTATION

PROPER SHIPPING NAME: Cleaning Compounds Not regulated in accordance with IATA

**IMDG - WATER TRANSPORTATION** 

PROPER SHIPPING NAME: Cleaning Compounds Not regulated in accordance with IMDG

OTHER AGENCIES: NA

### **SECTION 15: REGULATORY INFORMATION**

#### **U.S. FEDERAL REGULATIONS**

TSCA (TOXIC SUBSTANCE CONTROL ACT): All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Regulated

311/312 HAZARD CATEGORIES: Not Regulated
313 REPORTABLE INGREDIENTS: Not Regulated
STATE REGULATIONS: Not Regulated

WHMIS (CANADA) HAZARD SYMBOL AND CLASSIFICATION: Not Regulated

#### **INTERNATIONAL LISTS:**

All chemical substances in this material are included on or exempted from listing on the following lists: Australia (AICS), Canada (DSL/NDSL), Europe (EINECS/ELINCS), Korea (TCCL), Japan (METI), the Philippines (RA6969).

#### **SECTION 16: OTHER INFORMATION**

PREPARATION INFORMATION: DEHN'S INNOVATIONS

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