



# Material Safety Data Sheet

Date Prepared: 02/10/2011

## Duraclean International, Inc.

NFPA	Health 1	Fire 2	Reactivity 0	Special 0	Personal Protection Index  C
HMIS	1	2	0	0	

MSDS #009-R

\*No Information Available

### SECTION 1 - PRODUCT IDENTIFICATION

**Distributor Name:** Duraclean International, Inc. **24 Hr. Emergency Telephone No. (INFOTRAC):** 1-800-535-5053 (U.S.)  
**Address:** 220 W. Campus Dr., Arlington Heights, IL 60004 **1-353-323-3500 (INTL)**  
**Trade Name:** THERMAL FOG DEODORANT (NEW, IMPROVED) **Product Type:** Commercial deodorizer  
**Chemical Family:** NIA\* **Formula:** N/A

### SECTION 2 - HAZARDOUS INGREDIENTS/EXPOSURE GUIDELINES

Chemical Name/common name	% (optional)	Cas.No.	UN No.	OSHA - TWA/STEL	ACGIH - TWA/STEL
Blended synthetic isoparaffinic hydrocarbon	60-100	64742-47-8	1268	No guidelines established for this product.	
Fragrance - aromatics (aldehydes, esters, ketones) and alcohols	5-10	N/A	N/AP	No guidelines established for this product.	

### SECTION 3 - PHYSICAL DATA/CHEMICAL PROPERTIES

**Boiling Point (degrees C.):** 222-251 **Specific Gravity (H<sub>2</sub>O=1.0):** 0.79 **pH Range:** 4.8 **Viscosity:** @ 25° C.  
**Vapor Pressure (mm Hg):** <1 mm **Vapor Density (Air = 1):** 4.5 **Coefficient water/oil distribution:** N/A  
**Freezing point (Degrees C.):** N/A  
**Solubility in Water:**  Complete  Invisible  Emulsible (or dispersible)  Slight (or partial)  None  
**Evaporation Rate (butyl acetate = 1):** <1  
**Appearance:** clear liquid, colorless to light yellow color. **Odor:** Citrus or Kentucky Blue Grass **Odor Threshold (ppm):** N/A  
**Percent Volatiles by Weight:** N/A

### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point (PMCC):** 76° C. **Flammable:**  Yes  No **If Yes, Under What Conditions?:** Combustible liquid, potential fire hazard  
When exposed to excessive heat, flame or other sources of ignition. **Upper Flammable Limit (% By Volume):** 5.0  
**Lower Flammable Limit (% By Volume):** 0.7 **Autoignition Temperature (° C.):** 337  
**Extinguishing Media:** Apply alcohol type or all-purpose foam for large fires, dry chemical media or carbon dioxide extinguisher for small fires.  
**Special Fire Fighting Procedures:** SCBA and bunker gear for fire department personnel.  
**Unusual Fire and Explosion Hazards:** N/AP

### SECTION 5 - REACTIVE DATA

**Stability:** Stable **Incompatibility:** Avoid contact with strong oxidizers.  
**Hazardous Decomposition Products:** Carbon monoxide and/or carbon dioxide  
**Materials to Avoid:** None known **Conditions to Avoid:** None known

### SECTION 6 - HEALTH HAZARDS

**Primary Routes of Exposure:**  Eye  Skin  Oral  Inhalation  Other  
**Signs and Symptoms of Over-exposure (acute and/or chronic):**  
**Eyes:** Causes slight irritation.  
**Skin:** Prolonged contact may cause irritation.  
**Ingestion:** May cause abdominal discomfort, nausea, vomiting and diarrhea.  
**Inhalation:** High concentration of the vapor may cause irritation of the respiratory tract.  
**Medical Conditions Aggravated by Over-exposure:** None known  
**Carcinogenicity:** No **Mutagenicity:** No **Tetragenicity:** No **Reproductive toxicity:** No **Synergistic products:** No  
**Sensitization:** No **Neuritoxicity:** No **Target organs:** Skin and eyes

**SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES**

**Eyes:** Flush eyes with water for 15 minutes. Seek medical attention if irritation persists.

**Skin:** Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists.

**Ingestion:** If patient is conscious give two glasses of water. DO NOT INDUCE VOMITING. Seek immediate medical attention.

**Inhalation:** Remove patient to fresh air, if not breathing, give artificial respiration.

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

**Respiratory Protection:** NIOSH TC-23C for organic vapors or equivalent.

**Ventilation:**  Local  Mechanical if used in enclosed work spaces.  Other

**Protective Gloves:** Neoprene

**Eye Protection:** Goggles or a full facepiece respirator if eye irritation is encountered is recommended.

**Other Protective Clothing or Equipment:** Coveralls or equivalent.

**Work/Hygienic Practices:** Wash with soap and water after contact.

**SECTION 9 - SPILL OR LEAK PROCEDURES**

**Steps to be taken if released or spilled:** Eliminate all sources of ignition. Wear personal protective equipment. Do not allow spill to reach watercourse or sewers. Contain spill with absorbent mats or booms or inert materials such as sand. Material should be readily available.

**Waste disposal methods:** Collect and store waste materials in suitable containers for disposal, e.g., metal drums.

**SECTION 10 - STORAGE, HANDLING AND DISPOSAL INFORMATION**

**Precautions to be taken in handling and storage:** Extinguish all sources of ignition in the work area. When stored in metal containers the container must be grounded and bonded prior to dispensing the liquid. Keep containers closed to prevent vapor escaping into the atmosphere.

Store in a separate room equipped for flammable storage or small volumes may be stored in a flammable liquid cabinet. Eye wash stations are in the workplace. Area should be evacuated of all non-essential personnel prior to application of product.

**Precautions for Repair and Maintenance of Contaminated Equipment:** Wash with soap and water.

**Disposal Considerations:** Do not dispose of product in storm or sanitary sewer systems. Do not allow discharge into groundwater or a watercourse. If product is to be disposed of, contact a licensed or registered waste disposal firm to incinerate the product.

**Other: KEEP OUT OF REACH OF CHILDREN. USE ONLY AS DIRECTED.**

**SECTION 11 - TRANSPORTATION AND REGULATORY INFORMATION**

**Shipping name:** Combustible liquid, N.O.S.

**Hazard class:** Combustible liquid

**UN Identification:** NA 1993 (N. America)

This Material Safety Data Sheet (MSDS) has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Hazardous Products Act (Canada) and the Controlled Products Regulations (Canada). This product has been classified in accordance with the hazard criteria of the CPR (Canada) and the MSDS contains all of the information required by the CPR (Canada).

This product is classified as combustible liquid - 29 CFR 1910.1200 and Controlled Products Regulations (Canada).

**WHMIS Classification:** B3

This product is not subject to the reporting requirements of Section 313 of Title II of Superfund Amendments and Reauthorization Act (SARA 1986 and 40 CFR part 372).

Notice: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Data Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

**ABBREVIATIONS**

**N/A:** Not Available      **ppm:** Parts per million      **mm Hg:** Millimeters of Mercury      **cs:** Centistokes      **LD:** Lethal dose  
**LC:** Lethal concentration      **PMCC:** Pensky Martens Closed Cup      **TCC:** Tagliabue Closed Cup      **COC:** Cleveland Open Cup  
**STEL:** Short term exposure limit      **TWA:** Time weighted average      **N/AP:** Not applicable      **WHMIS:** Canada's equivalent to U.S.'s OSHA