

# MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
<b>NFPA Rating:</b> Health-2; Flammability-3; Reactivity-0; Special--		<b>HMIS Rating:</b> Health-1; Flammability-3; Reactivity-0; Personal Protection-B				
<b>Manufactured For:</b> AmSan		<b>DOT Hazard Classification:</b> ORM-D				
<b>Address:</b> 5727 South Lewis Ave., Suite 705 Tulsa, OK 74105		<b>Identity</b> (trade name as used on label): <b>RENOWN HANDHELD AIR SANITIZER</b> <b>Fresh Linen</b>				
Phone: 918-743-6030		<b>MSDS Number:</b> A00205 FL Revision- first issue				
<b>EMERGENCY RESPONSE NUMBER:</b> 1(800)255-3924		Date Prepared: 10/16/07		Prepared By: IB		
NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA		Information Calls: (770)422-2071				
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
1,1 DIFLUOROETHANE		75-37-6	No	NE	NE	d
ETHANOL		64-17-5	No	1000	1000	d
TRIETHYLENE GLYCOL		112-27-6	No	N/E	N/E	d
ISOPROPYL ALCOHOL		67-63-0	No	400	200	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
<b>Boiling Point:</b> N/A		<b>Specific Gravity</b> (H <sub>2</sub> O=1): Concentrate Only = 0.88				
<b>Vapor Pressure:</b> PSIG @ 70°F (Aerosols): Max.80		<b>Vapor Pressure</b> (Non-Aerosols)(mm Hg and Temperature): N/A				
<b>Vapor Density</b> (Air = 1): greater than 1		<b>Evaporation Rate</b> (water = 1): greater than 1				
<b>Solubility in Water:</b> Soluble		<b>Water Reactive:</b> No				
<b>Appearance and Odor:</b> Clear liquid, fragrance of perfume and alcohol odor. Hand held spray.						
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) brief 10 inch puff, no flash back, then extinguishes: USA CPSC : NOT CATEGORIZED AS FLAMMABLE		Auto Ignition Temperature N/E	Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E			
<b>FLASH POINT AND METHOD USED</b> (non-aerosols): lowest flash point of liquid components: 55°F (TCC).			<b>EXTINGUISHER MEDIA:</b> Foam, dry chemical, carbon dioxide, water fog, water spray.			
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus.						
<b>Unusual Fire &amp; Explosion Hazards:</b> Do not expose aerosols to temperatures above 130°F or the container may rupture.						
SECTION 4 - REACTIVITY HAZARD DATA						
<b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE		<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR				
<b>Incompatibility</b> (Mat. to avoid): Alkalis, oxidizing materials, amines, potassium, sodium and magnesium.		<b>Conditions to Avoid:</b> Open flame, welding arcs, heat.				
<b>Hazardous Decomposition Products:</b> CO, CO <sub>2</sub> , hydrofluoric acid, carbonyl fluoride, various hydrocarbons, and trace oxides of nitrogen.						
SECTION 5 - HEALTH HAZARD DATA						
<b>PRIMARY ROUTES OF ENTRY:</b> <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS						
<b>Inhalation:</b> Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.						
<b>Eye Contact:</b> Possible irritation.		<b>Skin Contact:</b> Possible slight irritation with prolonged contact.				
<b>Ingestion:</b> Not a likely route of entry due to product form. Possible chemical pneumonitis if aspirated into lungs. Nausea.						
<b>CHRONIC EFFECTS:</b> (Effects due to excessive exposure to the raw materials of this mixture) May cause cardiac abnormality, liver abnormalities, kidney and/or lung damage.						
<b>Medical Conditions Generally Aggravated by Exposure:</b> May aggravate existing eye, skin, or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
<b>Eye Contact:</b> Flush with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center of doctor for treatment advice.						
<b>Skin Contact:</b> Wash with soap and water. If irritated, seek medical attention.						
<b>Inhalation:</b> Remove to fresh air. Resuscitate if necessary. Get medical attention.						
<b>Ingestion:</b> <b>DO NOT INDUCE VOMITING.</b> Drink two large glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
<b>Respiratory Protection (specify type):</b> If vapor concentration exceeds TLV, use respirator approved by NIOSH for organic vapor.						
<b>Protective Gloves:</b> None, unless skin is irritated.		<b>Eye Protection:</b> Safety glasses recommended. Avoid spraying into eyes.				
<b>Ventilation Requirements:</b> Adequate ventilation to keep vapor concentration below TLV.						
<b>Other Protective Clothing &amp; Equipment:</b> None						
<b>Hygienic Work Practices:</b> Wash with soap and water before handling food. Remove contaminated clothing.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
<b>Steps To Be Taken If Material Is Spilled Or Released:</b> Absorb with suitable medium. Incinerate or landfill according to local, state or federal regulations. DO NOT FLUSH TO SEWER.						
<b>Waste Disposal Methods:</b> Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.						
<b>Precautions To Be Taken In Handling &amp; Storage:</b> Do not puncture or incinerate containers. Do not store at temperatures above 130°F.						
<b>Other Precautions &amp;/or Special Hazards:</b> <b>KEEP OUT OF REACH OF CHILDREN.</b> Avoid food contamination. Avoid breathing abusively excessive amount of vapors. Remove ignition sources.						

*We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.*

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only