

# MATERIAL SAFETY DATA SHEET

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

SECTION 1 - IDENTITY AND DISTRIBUTOR'S INFORMATION						
<b>NFPA Rating:</b> Health-1; Flammability-0; Reactivity-1; Special- B		<b>HMIS Rating:</b> Health-1; Flammability-0; Reactivity-1; Personal Protection-B				
<b>Manufactured For: K-CHEM, INC.</b> Address: P.O.Box 530632, Birmingham, AL 35253		<b>DOT Hazard Classification:</b> ORM-D <b>Identity (trade name as used on label): K-Chem Air Duster</b>				
Phone: (205) 592-0844		<b>MSDS Number:</b> SO113A				
<b>EMERGENCY RESPONSE NUMBER: 800-255-3924</b> <b>NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA</b>		Date Prepared: 10/30/07 Information Calls: (205)592-0844				
SECTION 2 - MATERIAL IDENTIFICATION AND INFORMATION						
<b>COMPONENTS-CHEMICAL NAMES AND COMMON NAMES</b> (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	%WT	313/Chem	PEL	Carcinogen
<b>1,1,1,2 Tetrafluoroethane</b>		811-97-2	100	NO	N/E	NO
SECTION 3 – PHYSICAL DATA						
<b>Boiling Point:</b> ~-15.7 Deg. F						
<b>Liquid Density (H2O=1) @ 77 Deg. F: 1.203</b>						
<b>Vapor Density (Air = 1): 3.6 @ 77 Deg. F</b>			<b>pH: N/A</b>			
<b>Solubility in Water:</b> 0.15 WT%@25 Deg. C			<b>Vapor Pressure of can (psig @ 70 Deg. F): 90</b>			
<b>Appearance and Odor:</b> Clear colorless liquid, Faint Ether-like odor			<b>Total VOC %:</b> 0%			
SECTION 4 - FIRE AND EXPLOSION DATA						
<b>FLAMMABILITY</b> as per USA FLAME PROJECTION TEST (aerosols) Non-Flammable Spray						
<b>FLASH POINT AND METHOD USED:</b> Will Not Burn						
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self-contained breathing apparatus and protective clothing. Cool fire exposed containers to prevent rupturing.						
<b>Unusual Fire &amp; Explosion Hazards:</b> Do not expose aerosols to temperatures above 120°F or the container may rupture.						
SECTION 5 - REACTIVITY HAZARD DATA			<b>EXTINGUISHER MEDIA:</b> Foam, CO2, Dry Media.			
<b>STABILITY</b> [ X ] STABLE [ ] UNSTABLE – However, avoid open flames & exposure to high temperatures						
<b>Incompatibility (Mat. to avoid):</b> Incompatible with alkali or alkaline earth metals – powdered Al, Zn, Be, etc.						
<b>Hazardous Decomposition Products:</b> Decomposition products are hazardous. This material can be decomposed by high temperatures (open flames, glowing metal surfaces, etc.) forming hydrofluoric acid and possibly carbonyl fluoride.			<b>HAZARDOUS POLYMERIZATION</b> [ ] WILL [ X ] WILL NOT OCCUR			
SECTION 6 – STORAGE AND HANDLING			<b>NFPA Code 30B Rating: Level 1 Aerosol</b>			
<b>KEEP OUT OF REACH OF CHILDREN, FOR INDUSTRIAL USE ONLY</b> <b>Store in a cool, dry area away from heat or open flame – Do not store at temperatures above 120Deg F.</b>						
SECTION 7 – HEALTH AND FIRST AID						
<b>PRIMARY ROUTES OF ENTRY:</b> [ X ] INHALATION [ ] INGESTION [ X ] SKIN ABSORPTION [ X ] EYE [ ] NOT HAZARDOUS						
<b>Inhalation:</b> Inhalation of high concentrations of vapor is harmful and may cause heart irregularities, unconsciousness or death. Intentional misuse or deliberate inhalation may cause death without warning. Vapors are heavier than air and may accumulate in low lying or confined areas.						
<b>Eye Contact:</b> “FROSTBITE” like effects may occur if the liquid or escaping vapors contact the eyes.						
<b>Ingestion:</b> Ingestion is not considered a potential route of exposure.						
<b>Skin Contact:</b> Immediate effects of overexposure may include: Frostbite if liquid or vapor contact is made with the skin.						
FIRST AID PROCEDURES						
<b>Eye Contact:</b> In case of contact, immediately flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. Call Physician						
<b>Skin Contact:</b> IN case of contact, immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician. Treat for frostbite if necessary by gently warming affected area. Wash contaminated clothing before reuse.						
<b>Inhalation:</b> If high concentrations are inhaled, immediately remove to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.						
<b>Ingestion:</b> Ingestion is not considered a potential route of exposure.						
<b>NOTE TO PHYSICIANS:</b> Because of possible disturbances of cardiac rhythm, catecholamine drugs, such as epinephrine, should be used with special caution in situations of emergency life support.						
SECTION 8 – SPECIAL PROTECTION DATA						
<b>Respiratory Protection (specify type):</b> None needed for proper use in accordance with label directions.						
<b>Protective Gloves:</b> None needed for proper use in accordance with label directions. Use impervious gloves if hand contact will be made.						
<b>Ventilation Requirements:</b> Provide local exhaust to keep TLV of Section 2 ingredients below acceptable levels.						
<b>Eye Protection:</b> None needed unless it is anticipated that a splash or spray back will occur, then wear safety glasses or chemical proof goggles.						
SECTION 9 – SPILL OR LEAK PROTECTION						
<b>Steps To Be Taken in case of spill or leak:</b> Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, State and Local laws.						
<b>Waste Disposal Methods:</b> Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, State and Local authorities for approved procedures. .						

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.