

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b> <b>Identity (As Used on Label and List):</b> KC Blend (EXT121) <b>Product Class:</b> Powdered Detergent <b>Emergency Telephone Number:</b> 800-535-5053 (INFOTRAC) <b>Telephone Number for Information:</b> 763-509-7937 <b>Manufacturer's Name and Address:</b> Ver-tech Labs 6801 Bleck Drive Rockford, MN 55373	<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b> <b>Boiling Point:</b> N. Ap. <b>pH:</b> >12.5 (10% solution) <b>Specific Gravity (H20) = 1:</b> N. Ap. <b>% Volatile:</b> N. Ap. <b>Vapor Density (Air = 1):</b> N. Av. <b>Odor Threshold:</b> N. Av. <b>Evaporation Rate (Butyl Acetate = 1):</b> N. Av. <b>Oil/Water Distribution</b> <b>Solubility in Water:</b> Complete <b>Coefficient:</b> N. Av. <b>Vapor Pressure (MM HG):</b> N. Av. <b>Melting Point:</b> N. Ap.																								
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b> <b>Hazardous Components (Specific Chemical Identity):</b> <table><tr><th>Chemical</th><th>Common Name(s)</th></tr><tr><td>A</td><td>Sodium Carbonate CAS #497-19-8</td></tr><tr><td>B</td><td>SodiumHydroxide CAS #1310-73-2</td></tr><tr><td>C</td><td>Sodium Metasilicate CAS #6834-92-0</td></tr></table>	Chemical	Common Name(s)	A	Sodium Carbonate CAS #497-19-8	B	SodiumHydroxide CAS #1310-73-2	C	Sodium Metasilicate CAS #6834-92-0	<b>SECTION X - STABILITY AND REACTIVITY</b> <b>Stability:</b> Unstable: Stable: X <b>Conditions to Avoid:</b> N. Ap. <b>Incompatibility (materials to avoid):</b> N. Av. <b>Hazardous Decomposition or By-products:</b> N. Av. <b>Hazardous Polymerization:</b> May occur: Will not occur: X <b>Conditions to Avoid:</b> N. Ap.																
Chemical	Common Name(s)																								
A	Sodium Carbonate CAS #497-19-8																								
B	SodiumHydroxide CAS #1310-73-2																								
C	Sodium Metasilicate CAS #6834-92-0																								
<b>SECTION III - HAZARDS IDENTIFICATION</b> <b>Emergency Overview</b> <b>Appearance and Odor:</b> White powder, mild aroma. <b>Primary Hazards:</b> No effects expected. <b>Potential Health Hazards</b> <b>Route(s) of Entry:</b> Skin Absorption: Ingestion: X Inhalation: <b>Eye:</b> May cause chemical burns on contact. <b>Skin:</b> May cause chemical burns on contact. <b>Ingestion:</b> Harmful if swallowed. <b>Inhalation:</b> No hazardous vapors. <b>Signs and Symptoms of Exposure:</b> Eye Contact: Possible burning, tearing, redness, and corneal damage. Skin contact: Possible slippery feeling, redness, swelling and burns. Syntoms may be delayed. <b>Carcinogenicity:</b> NTP? No IARC Monographs? No <b>OSHA Regulated?</b> No <b>Target Organ (s):</b> No additional data <b>Medical Conditions Generally Aggravated by Exposure:</b> Dermatitis <b>Health Hazards, Chronic:</b> No effects expected.	<b>SECTION XI - TOXICOLOGICAL INFORMATION</b> <table><tr><th>Chemical</th><th>OSHA PEL</th><th>ACGIH TLV</th><th>Recom.</th><th>LD50</th><th>LC50</th></tr><tr><td>A</td><td>N. Ap.</td><td>N. Ap.</td><td>N. Ap.</td><td>4090 mg/kg (rat, oral)</td><td>2.3 mg/L (rat, 2 hr.)</td></tr><tr><td>B</td><td>2mg/m3</td><td>2mg/m3</td><td>N. Ap.</td><td>140-340 mg/kg (rat oral)</td><td>N. Av.</td></tr><tr><td>C</td><td>N. Ap.</td><td>N. Ap.</td><td>N. Ap.</td><td>800 mg/kg (rat oral)</td><td>N. Av.</td></tr></table> <b>Teratogen, Mutagen, Reproductive Toxin Status:</b> No <b>Toxicologically Synergistic Products:</b> N. Av.	Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50	A	N. Ap.	N. Ap.	N. Ap.	4090 mg/kg (rat, oral)	2.3 mg/L (rat, 2 hr.)	B	2mg/m3	2mg/m3	N. Ap.	140-340 mg/kg (rat oral)	N. Av.	C	N. Ap.	N. Ap.	N. Ap.	800 mg/kg (rat oral)	N. Av.
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50																				
A	N. Ap.	N. Ap.	N. Ap.	4090 mg/kg (rat, oral)	2.3 mg/L (rat, 2 hr.)																				
B	2mg/m3	2mg/m3	N. Ap.	140-340 mg/kg (rat oral)	N. Av.																				
C	N. Ap.	N. Ap.	N. Ap.	800 mg/kg (rat oral)	N. Av.																				
<b>SECTION IV - FIRST AID MEASURES</b> <b>Emergency and First Aid Procedures:</b> <b>If Swallowed: Do not induce vomiting.</b> Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. <b>Eye Contact:</b> Flush eyes with running water for at least 15 minutes, obtain immediate medical attention. <b>Skin Contact:</b> Flush thoroughly with cool water. If irritation occurs or persists seek medical attention. Remove and wash contaminated clothing before reuse. <b>Sources Used:</b> Raw material data, general toxicology from the trade for similar products.	<b>SECTION XII - ECOLOGICAL INFORMATION</b> <b>Ecotoxicological Information:</b> N. Av. <b>Chemical Fate Information:</b> N. Av.																								
<b>SECTION V - FIRE FIGHTING MEASURES</b> <b>Flammability:</b> No <b>Autoignition Temperature:</b> N. Ap. <b>Flash Point (method used):</b> None <b>Flammable Limits:</b> N. Ap. LEL UEL <b>Extinguishing Media:</b> N. Ap. <b>Water?</b> <b>Foam?</b> <b>Water Fog?</b> <b>Alcohol Foam?</b> <b>CO2?</b> <b>Dry Chemical?</b> <b>Vaporizing Liquid?</b> <b>Other?</b> <b>Special Fire Fighting Procedures:</b> N. Ap. <b>Unusual Fire and Explosion Hazards:</b> N. Av. <b>TDG Flammability Classification:</b> Non-flammable <b>Sensitivity to Mechanical Impact:</b> None <b>Sensitivity to Static Discharge:</b> None	<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b> <b>Waste Disposal Method:</b> Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations. <b>RCRA Hazard Class:</b> D002																								
<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b> <b>Steps to be taken in Case Material is Released or Spilled:</b> Contain spill. Collect spill with broom and shovel or vacuum. Thoroughly rinse affected area with water.	<b>SECTION XIV - TRANSPORT INFORMATION</b> <b>Shipping Classification:</b> Not regulated. Compound cleaning powder <b>UN Number:</b> <b>Packing Group:</b>																								
<b>SECTION VII - HANDLING AND STORAGE</b> <b>Precautions to be taken in Handling and Storing:</b> Normal care in handling and storage. <b>Other Precautions:</b> Keep out of reach of children. Keep from freezing.	<b>SECTION XV - PREPARATION DATA</b> <b>Prepared By:</b> Safety and Health Department <b>Telephone Number:</b> 763-509-7937 <b>Date:</b> 7-2-13																								
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b> <b>Respiratory Protection (Specify Types):</b> Not required <b>Ventilation:</b> Local Exhaust: Not required <b>Special:</b> Not required <b>Mechanical (General):</b> Not required <b>Other:</b> Not required <b>Protective Gloves:</b> Chemical resistant <b>Eye Protection:</b> Safety glasses, <b>Footwear:</b> Chemical resistant <b>Other Protective Clothing or Equipment:</b> Prevent contact <b>Work/Hygienic Practices:</b> No special procedures	<b>SECTION XVI - REGULATORY INFORMATION</b> <b>US Federal Regulations</b> <b>TSCA Status:</b> All ingredients listed. <b>CERCLA Reportable Quality:</b> None <b>SARA Title III</b> <b>Section 302 Extremely Hazardous Chemicals:</b> None <b>Section 311/312 Hazard Category:</b> None <b>Section 313 Toxic Chemicals:</b> None																								
	<b>SECTION XVII - OTHER INFORMATION</b> None  N. Ap. - Not Applicable; N.Av. - Not Available																								
	<b>NFPA SYSTEM</b> <u>2</u> A. Health Hazard <u>0</u> A. Fire Hazard <u>0</u> A. Reactivity Hazard  THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MINUTEMAN INTERNATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.																								