

# 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> <b>Diamond Duty Plus Grill &amp; Fryer Cleaner (HD A1)</b> <b>Product Class:</b> Powdered Detergent <b>Emergency Telephone Number:</b> 800-813-9621 <b>Telephone Number for Information:</b> 519-759-2443 <b>Manufactured For:</b> Diamond Products 61 Shaver St. PO Box 1507 Brantford, ON N3T 5V6	
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b>	
<b>Hazardous Components (Specific Chemical Identity):</b>	
<b>Chemical</b>	<b>Common Name(s)</b> %
A	Sodium Carbonate 35 - 45 CAS #497-19-8
B	Sodium Metasilicate Pentahydrate 5 - 10 CAS #9004-82-4
C	Sodium Tripolyphosphate 10 - 20 CAS #7758-29-4
D	Sodium Hydroxide 35 - 45 CAS #1310-73-2
<b>SECTION III - HAZARDS IDENTIFICATION</b>	
<b>Emergency Overview</b> <b>Appearance and Odor:</b> Yellow powder <b>Primary Hazards:</b> No effects expected.	
<b>Potential Health Hazards</b> <b>Route(s) of Entry:</b> <b>Skin Absorption:</b> <b>Ingestion:</b> X <b>Inhalation:</b> X <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. Symptoms may be delayed. <b>Carcinogenicity:</b> NTP? No <b>IARC Monographs?</b> 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 IV - FIRST AID MEASURES</b>	
<b>Emergency and First Aid Procedures:</b> <b>If Swallowed:</b> Do not induce vomiting. 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 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>CO<sub>2</sub>?</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 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 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.	
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>Respiratory Protection (Specify Types):</b> Not required <b>Ventilation:</b> <b>Local Exhaust:</b> 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> Approved safety glasses <b>Footwear:</b> Chemical Resistant <b>Other Protective Clothing or Equipment:</b> Not required <b>Work/Hygienic Practices:</b> No special procedures	

<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 X - STABILITY AND REACTIVITY</b>	
<b>Stability:</b> <b>Unstable:</b> <b>Stable:</b> 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> <b>May occur:</b> <b>Will not occur:</b> X <b>Conditions to Avoid:</b> N. Ap.	
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>	
<b>Chemical</b>	<b>OSHA PEL</b> <b>ACGIH TLV</b> <b>Recom.</b> <b>LD50</b> <b>LC50</b>
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. 800 mg/kg (rat oral) N. Av.
C	N. Ap. N. Ap. N. Ap. 285 mg/kg (rat oral) .39 mg/L (rat 4H)
D	2mg/m3 2mg/ms N. Ap. 140-340 mg/kg (rat oral) N. Av.
<b>Teratogen, Mutagen, Reproductive Toxin Status:</b> No <b>Toxicologically Synergistic Products:</b> N. Av.	
<b>SECTION XII - ECOLOGICAL INFORMATION</b>	
<b>Ecotoxicological Information:</b> N. Av. <b>Chemical Fate Information:</b> N. Av.	
<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> None	
<b>SECTION XIV - TRANSPORT INFORMATION</b>	
<b>Shipping Classification:</b> Corrosive solid, basic, inorganic, n.o.s. (sodium hydroxide), 8 <b>UN Number:</b> UN 3262. <b>Packing Group:</b> PG II	
<b>SECTION XV - PREPARATION DATA</b>	
<b>Prepared By:</b> A. White <b>Telephone Number:</b> 519-759-2443 <b>Date:</b> Jan 21, 2015	
<b>SECTION XVI - REGULATORY INFORMATION</b>	
<b>US Federal Regulations</b>	<b>Canada Regulations</b>
<b>TSCA Status:</b> All ingredients listed.	<b>DSL Status:</b> All ingredients listed
<b>CERCLA Reportable Quality:</b> 1,000 lbs. Sodium Hydroxide	
<b>SARA Title III</b>	
<b>Section 302 Extremely Hazardous Chemicals:</b> None <b>Section 311/312 Hazard Category:</b> Immediate health hazard <b>Section 313 Toxic Chemicals:</b> None <b>WHMIS Class E Risk Phrase:</b> R21, R22, R41 <b>Precautionary:</b> S2, S26, S62	
<b>SECTION XVII - OTHER INFORMATION</b>	
This product has been classified in accordance with the hazard criteria of the Control Products Regulations and the MSDS contains all the information required by the Control Products Regulations.	
N. Ap. - Not Applicable; N.Av. - Not Available	

## NFPA SYSTEM

\_3\_ A. Health Hazard \_0\_ \_ A. Fire Hazard \_0\_ \_ A. Reactivity Hazard

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