

MATERIAL SAFETY DATA SHEET

Section 1 - Material Identity	
Product Name CLEAN & GREEN #5206; TOP DOG/CTA - #5225; TOP DOG- #5224; TOP DOG/CTA-MG - #5225MG; TOP DOG-MG - #5224MG	Product Use: CLEANING COMPOUND
Manufacturer(s) Supplier (s) Name & Address	Telephone Number: (215) 698-0500
ARDEX LABORATORIES, INC. 2050 BYBERRY ROAD PHILADELPHIA , PA 19116	Days: (215) 698-0500 Nights: CHEMTREC: 800/424-9300
DOT Proper Shipping Name Compounds, cleaning liquid (Containing Sodium Hydroxide), 8, NA1760, PGII	May be reclassified as a CONSUMER COMMODITY ORM-D when shipped by ground in the US in containers not exceeding 38 ounces.
CORROSIVE	May be reclassified as a CONSUMER COMMODITY ORM-D when shipped by vessel in the US in containers not exceeding 38 ounces.

Section 2 - Physical & Chemical Characteristics		
V.O.C.: 0.00% by weight. OTC VOC Compliant for 2005.	Solubility in Water by Weight: MISCIBLE	Boiling Point: 105-112 C (221-231 F)
Appearance and Odor: CLEAR, FREE-FLOWING LIQUID WITH A CHARACTERISTIC ALMOND-LIKE ODOR. #5225 & #5224 – RED LIQUID; #5224MG & #5225MG – GREEN LIQUID.***#5206—GREEN LIQUID WITH SPEARMINT ODOR	Specific Gravity: 1-1.25 (@20DEG. C)	Freezing Point -10 DEG. C (18 DEG. F)
Vapor Pressure at 20EC: 7.8 (@ 20 DEG. C.)	Percent Volatile by Volume: 82.4%	Evap. Rate (Butyl Acetate=1): N/A

Section 3 –Ingredients & Specifications				
Materials	%	TLV	Hazard	CAS Number
SODIUM HYDROXIDE		2 mg/m3		1310-73-2
SODIUM METASILICATE		2 mg/m3		6834-92-0
NONIONIC SURFACTANT		Not regulated		9016-45-9
FRAGRANCE, DYE				
TETRASODIUM ETHYLENEDIAMINETETRA ACETATE		Not regulated		10378-23-1
WATER				111-72-2

Section 4 - Fire & Explosion Hazard Data	
Flash Point & Method: NONE	
Flammable Limits in Air % by volume:	Lower: N/A Upper: N/A
Extinguishing Media: Any	
Special Fire Fighting Procedures: N/A	
Unusual Hazards: N/A	

Section 5 - Health Hazard Data	
Route of Entry	a) Skin b) eyes:
Effects of Acute Exposure: <u>HEALTH: 3</u> <u>FLAMMABILITY: 0</u> <u>PHYSICAL HAZARD: 2</u> <u>PERSONAL PROTECTION: H</u>	a) Skin Contact: IRRITANT. PROLONGED EXPOSURE CAUSES PAIN. MAY CAUSE PAINFUL BURNS AFTER REPEATED OR PROLONGED CONTACT. THE HAZARD IS GREATLY REDUCED WHEN WORKING WITH THE DILUTED WORKING –STRENGTH SOLUTION.
	b) Eye Contact: IRRITANT. CAUSES CORNEAL EPITHELIAL DAMAGE (REVERSIBLE). MINIMAL THREAT WHEN USING DILUTED SOLUTION (1:64).
	c) Swallowing: IF INGESTED IN CONSIDERABLE QUANTITIES TREAT AS A POISON; KEEPS THE PERSON WARM. GIVE LARGE AMOUNTS OF WATER TO DILUTE; DO NOT INDUCE VOMITING. INGESTION OF LARGE QUANTITY OF CONCENTRATE CAN PRODUCE SHOCK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. MINIMAL THREAT WHEN USING WORKING-STRENGTH SOLUTION (1:64 OR LESS.)

	d) Skin Absorption: PROMPTLY FLUSH AREA WITH WATER. REMOVE CLOTHING IF PRESENT. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.
	e) Inhalation: Fine mist produces respiratory tract irritation. Dust TLV 2 mg/m3 of AIR (NaOH)
Chronic Effects of Overexposure:	Exposure to high concentrations of this material (i.e., in enclosed spaces or with deliberate abuse) may be associated with CARDIAC ARRHYTHMIAS . EPINEPHRINE & other sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. Reports have associated repeated & prolonged occupational overexposure to SOLVENTS WITH PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE .
Other Health Hazards:	N/A
Emergency and First Aid Procedures:	a) Skin: RINSE WITH WATER. IF IRRITATED WASH WITH MILD SOAP AND WATER. CONTACT PHYSICIAN.
	b) Eyes: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS CHEMICAL.
	c) Swallowing: Do NOT induce vomiting. Give two (2) glasses of water. Contact physician immediately.
	d) Inhalation: REMOVE TO FRESH AIR. ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. CONTACT PHYSICIAN.

Carcinogen Evaluation N/A

Section 6 - Reactivity Data

Stability -	Yes
Conditions to Avoid for Stability	See below
Incompatibility (Materials to Avoid) -	Avoid strong oxidizers and strong acids and highly electrovalent metals (e.g. Al, Mg, Fe, etc.)
Hazardous Polymerization -	Will not occur
Hazardous Decomposition/Byproducts	Toxic gases (such as Formic Acid and Carbon Monoxide)

Section 7 - Spill or Leak Procedures

Release/Spill Procedures	VENTILATE AREA. ABSORB INTO NON-REACTIVE MEDIA SUCH AS DIATOMACEOUS EARTH OR VERMICULITE; SWEEP INTO NON-REACTIVE VESSEL (I.E., STEEL DRUM OR PAIL)
	WASTE DISPOSAL METHOD: DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE AND FEDERAL REGULATIONS.

Section 8 - Special Protection Information

Protective Equipment	Eyes: USE DUST-AND SPLASH-PROOF SAFETY GOGGLES WHERE THERE IS ANY POSSIBILITY OF LIQUID, MIST OR DUST CONTACTING THE EYES.
	Respirator: RECOMMENDED; DUST MASK
	Gloves: WEAR IMPERMEABLE GLOVES (BUTYL OR HEAVY VINYL LATEX TYPE)
Ventilation	Other: PROTECTIVE EQUIPMENT – IF POSSIBILITY EXISTS FOR SPLASHING WEAR FACEGUARDS WITH SIDE SHIELDS. USE RESPIRATOR WHEN WORKING IN A TOTALLY CLOSED SYSTEM.
	General Mechanical: None required
	Other: USE IN A WELL VENTILATED AREA

Section 9 - Special Precautions

Handling & Storage	General: N/A
	Other:

Section10- Other Information

The information contained herein is based on data considered accurate. However, the information is provided without any warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility for personal injury or property damage to vendees, users or third parties caused by the material. We also do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

Prepared By: **ARDEX LABORATORIES, INC.** New/Revision Date: 03/14/05