

MATERIAL SAFETY DATA SHEET

Section 1 - Material Identity	
Product Name ENGINE DEGREASER - #5214	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: Flammable liquids, n.o.s. (Contains Petroleum Distillate), 3, UN1993, PGIII	May be reclassified as a COMBUSTIBLE LIQUID when offered for transportation by ground in the US in containers under 119 gallons.
FLAMMABLE	May also be reclassified as a CONSUMER COMMODITY ORM-D when shipped by vessel in the US in containers not exceeding 1gallon

Section 2 - Physical & Chemical Characteristics		
V.O.C.: 4.00% by weight. OTC VOC Compliant for 2005.	Solubility in Water by Weight: SLIGHTLY DISPERSIBLE	Boiling Point: 318-510 DEG. F.
Appearance and Odor: N/A	Specific Gravity: 0.810 (@60 DEG. F.)	Freezing Point -60 DEG. F.
Vapor Pressure at 20EC: 5.6 (@68 DEG. F.)	Percent Volatile by Volume: GREATER THAN 99%	Evap. Rate (Butyl Acetate=1): 0.23

Section 3 -Ingredients & Specifications				
Materials	%	TLV	Hazard	CAS Number
PETROLEUM DISTILLATE		400 ppm		8008-20-6
PETROLEUM NAPHTHA		100 ppm		74741-41-9
2-BUTOXYETHANOL		25 ppm		111-76-2
POTASSIUM HYDROXIDE		2mg/m3 of air		1310-58-3
NONIONIC SURFACTANT		Not Established		9016-45-9
WATER,DYE				

Section 4 - Fire & Explosion Hazard Data	
Flash Point & Method: 126 DEG. F. (CLOSED CUP)	
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: 2</u> <u>FLAMMABILITY: 2</u> <u>PHYSICAL HAZARD: 0</u> <u>PERSONAL PROTECTION D</u>	a) Skin Contact: ONE OR MORE OF THE COMPONENTS OF THIS MATERIAL MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE REDNESS, BURNING AND DRYING AND CRACKING OF THE SKIN.
	b) Eye Contact: ONE OR MORE COMPONENTS OF THIS MATERIAL IS AN EYE IRRITANT. DIRECT CONTACT WITH THE LIQUID OR EXPOSURE TO VAPORS OR MISTS MAY CAUSE STINGING, TEARING, REDNESS AND SWELLING.
	c) Swallowing: INGESTION OF EXCESSIVE QUANTITIES MAY CAUSE: IRRITATION OF THE DIGESTIVE TRACT, SIGNS OF NERVOUS SYSTEM DEPRESSION (E.G., HEADACHE, DROWSINESS, DIZZINESS, LOSS OF CONCENTRATION, AND FATIGUE.)
	d) Skin Absorption: PROMPTLY WASH AFFECTED AREA WITH MILD SOAP AND WATER. REMOVE CLOTHING IF PRESENT. IF IRRITATION OR REDNESS PERSISTS GET MEDICAL ATTENTION.

*	e) Inhalation: BREATHING HIGH CONCENTRATIONS OF VAPORS OR MISTS MAY CAUSE: IRRITATION OF THE NOSE AND THROAT, SIGNS OF NERVOUS SYSTEM DEPRESSION (E.G., HEADACHE, DROWSINESS, DIZZINESS, LOSS OF CONCENTRATION & FATIGUE.)
Chronic Effects of Overexposure:	EXPOSURE TO HIGH CONCENTRATIONS OF THIS MATERIAL (E.G., IN ENCLOSED SPACES OR WITH DELIBERATE ABUSE) MAY BE ASSOCIATED WITH CARDIAC ARRHYTHMIAS. EPINEPHRINE AND OTHER SYMPATHOMIMETIC MAY INITIATE CARDIAC ARRHYTHMIAS IN PERSONS EXPOSED TO THIS MATERIAL.
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 IF THE PERSON IS CONSCIOUS, GIVE LARGE QUANTITIES OF WATER TO DILUTE. DO NOT ATTEMPT TO INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.
	d) Inhalation REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. KEEP THE AFFECTED PERSON WARM AND AT REST. GET MEDICAL ATTENTION AS SOON AS POSSIBLE.

Carcinogen Evaluation N/A

Section 6 - Reactivity Data

Stability -	Yes
Conditions to Avoid for Stability	See below
Incompatibility (Materials to Avoid) -	Avoid strong acids or bases, oxidizing agents & selected amines. This product forms combustible and/or explosive mixtures with air or oxygen.
Hazardous Polymerization -	Will not occur
Hazardous Decomposition/Byproducts	Carbon Monoxide and/or Carbon Dioxide.

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)
	Other: PROTECTIVE EQUIPMENT – IF POSSIBILITY EXISTS FOR SPLASHING WEAR FACEGUARDS WITH SIDE SHIELDS. USE RESPIRATOR WHEN WORKING IN A TOTALLY CLOSED SYSTEM.
Ventilation	General Mechanical: None required
	Other: USE IN A WELL VENTILATED AREA

Section 9 - Special Precautions

Handling & Storage	General: N/A
	Other:

Section 10- 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.