

MATERIAL SAFETY DATA SHEET

Section 1 - Material Identity	
Product Name: BEADER #5260; BRAKER - #5261	Product Use: DRYING AGENT
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 liquid, n.o.s., (Containing Isopropanol and Petroleum Distillates), 3, UN 1993, PGIII	
COMBUSTIBLE	

Section 2 - Physical & Chemical Characteristics		
	Solubility in Water by Weight: MISCIBLE	Boiling Point: 175-265 DEG. F.
Appearance and Odor: CLEAR YELLOW, THIN LIQUID, BEADER has a BANANA SCENT, BRAKER has a LEMOM SCENT.	Specific Gravity: 0.85-1.202 (@ 20 C)	Freezing Point -25 DEG. F.
Vapor Pressure at 20EC: 44.7 (@ 20 DEG. C.)	Percent Volatile by Volume: <70%	Evap. Rate (Butyl Acetate=1): N/A

Section 3 -Ingredients & Specifications				
Materials	%	TLV	Hazard	CAS Number
ISOPROPYL ALCOHOL		400 ppm		67-63-0
PROPYLENE GLYCOL MONOMETHYL ETHER		100 ppm		107-98-2
PARAFFINIC HYDROCARBON		400 ppm		64741-44-2
QUATERNARY AMMONIUM CHLORIDE				60-25-3
WATER				

Section 4 - Fire & Explosion Hazard Data	
Flash Point & Method: 143 DEG. F.	
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>PERSONAL HAZARD: 0</u> <u>PERSONAL PROTECTION: A</u>	<p>a) Skin Contact: MAY CAUSE MILD SKIN IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE REDNESS, BURNING & DRYING & CRACKING OF THE SKIN. CONTACT MAY RESULT IN SKIN ABSORPTION BUT THIS ROUTE ALONE UNDER NORMAL CONDITIONS OF USE DOES NOT ANTICIPATE SYMPTOMS OF TOXICITY. PERSONS WITH PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS MATERIAL.</p> <p>b) Eye Contact: MAY CAUSE MILD IRRITATION DIRECT CONTACT WITH THE LIQUID OR EXPOSURE TO VAPORS MAY CAUSE STINGING, TEARING & REDNESS.</p> <p>c) Swallowing: THIS MATERIAL IS TOXIC & MAY BE HARMFUL IF SWALLOWED. IF SWALLOWED, SEEK EMERGENCY MEDICAL ATTENTION. IF VICTIM IS DROWSY OR UNCONSCIOUS PLACE ON THE LEFT SIDE WITH THE HEAD DOWN AND DO NOT GIVE ANYTHING BY MOUTH. CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY. THE THREAT IS GREATLY REDUCED WITH THE DILUTED WORKING STRENGTH AQUEOUS (1:25) SOLUTION. IF POSSIBLE DO NOT LEAVE THE VICTIM UNATTENDED.</p> <p>d) Skin Absorption: PROMPTLY FLUSH AREA WITH WATER. REMOVE CLOTHING IF PRESENT. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.</p>

*	e) Inhalation: THIS MATERIAL HAS A LOW LEVEL OF TOXICITY, BREATHING HIGH CONCENTRATIONS OF VAPORS OR MISTS MAY CAUSE IRRITATION OF THE NOSE & THROAT & SIGNS OF NERVOUS SYSTEM DEPRESSION (e.g., HEADACHE, DROWSINESS, DIZZINESS, LOSS OF COORDINATION & FATIGUE). RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG DISORDERS (e.g., ASTHMA-LIKE CONDITIONS) MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.
Chronic Effects of Overexposure:	EFFECTS OF OVEREXPOSURE MAY INCLUDE IRRITATION OF THE DIGESTIVE TRACT, SIGNS OF NERVOUS SYSTEM DEPRESSION (e.g., HEADACHE, DROWSINESS, DIZZINESS, LOSS OF COORDINATION & FATIGUE), VISUAL DISTURBANCES (INCLUDING BLINDNESS), CONVULSIONS, COMA & DEATH.
Other Health Hazards:	N/A
Emergency and First Aid Procedures:	<p>a) Skin: PROMPTLY FLUSH AREA WITH WATER. REMOVE CLOTHING IF PRESENT. IF IRRITATION PERSISTS GET MEDICAL ATTENTION.</p> <p>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.</p> <p>c) Swallowing: DO NOT ATTEMPT TO INDUCE VOMITING. CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY. THE THREAT IS GREATLY REDUCED WITH THE DILUTED WORKING STRENGTH AQUEOUS (1:25) SOLUTION. IF POSSIBLE DO NOT LEAVE THE VICTIM UNATTENDED.</p> <p>d) Inhalation: REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULTIES DEVELOP, QUALIFIED PERSONNEL SHOULD ADMINISTER OXYGEN. SEEK IMMEDIATE MEDICAL ATTENTION. THE HAZARD IS GREATLY REDUCED IN USING THE DILUTED WORKING-STRENGTH SOLUTION.</p>

Carcinogen Evaluation N/A

Section 6 - Reactivity Data

Stability -	Yes
Conditions to Avoid for Stability	See below
Incompatibility (Materials to Avoid) -	Avoid strong Oxidizers, Acids and highly electrovalent metals at elevated temperatures (e.g., Al, Fe, Mg.)
Hazardous Polymerization -	Will not occur
Hazardous Decomposition/Byproducts	Toxic Gases (such as Formic Acid, Carbon Monoxide, Nitrogen Oxides, Ammonia)

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:

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.

Prepared By: ARDEX LABORATORIES, INC.

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