

MATERIAL SAFETY DATA SHEET

SPINKS INK COMPANY
1125 WEST REPUBLIC DRIVE
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DATE PREPARED: June 5, 2007
HMIS: H3 F2 R0

SECTION I

TRADE NAME: Baron's Image Remover
PRODUCT NUMBER: BA125

SECTION II — HAZARDOUS COMPONENTS

Component	CAS №	Wt. %	OSHA PEL	ACGIH TLV
Cyclohexanone	108-94-1	45	50 ppm	25 ppm - Skin 100 ppm - STEL
Hydrofluoric Acid	7664-39-3	<5	N/A	N/A

SECTION III — PHYSICAL DATA

APPEARANCE:	Brown Liquid		
TYPE OF ODOR:	Sharp Acid		
BOILING RANGE (°F):	Not Applicable		
GRAVITY @ 60° F:	API:		12.1
	SPECIFIC GRAVITY (WATER = 1):		0.985
	POUNDS/GALLON:		8.206
VOC's (>0.44 lbs/sq. in.):	00.0 Vol. %	000.0 g/L	0.000 lbs/gal
TOTAL VOC'S (TVOC):	46.5 Vol. %	439.9 g/L	3.664 lbs/gal
NON-EXEMPT VOC'S (CVOC):	46.5 Vol. %	439.9 g/L	3.664 lbs/gal
VAPOR PRESSURE (mm of Hg @ 20° C):	80.2		
NON-EXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20° C):	1.5		
VAPOR DENSITY (AIR = 1):	1.6		
WATER ABSORPTION:	COMPLETE		
% VOLATILE BY VOL:	56.5		
pH:	3.0		

SECTION IV — FIRE AND EXPLOSION DATA

AUTO IGNITION TEMPERATURE:	398° C / 750° F	(Lowest Component)
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	1.1	(Lowest Component)
	88° C / 190° F	(TTC)
FLASH POINT (TEST METHOD):	CLASS III A	
OSHA FLAMMABILITY CLASSIFICATION:		

EXTINGUISHING MEDIA: Carbon Dioxide, foam or dry chemicals.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective on fire, but can protect fire fighters and cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots). Use NIOSH-approved, positive-pressure, self-contained breathing apparatus.

UNUSUAL EXPLOSION FIRE AND PROCEDURES: Product reacts with most metals producing hydrogen which is extremely flammable and may explode. Keep container tightly closed. Isolate from oxidizers, alkalis, heat and open flame. Applying to hot surfaces requires special precautions. Closed containers may explode if exposed to extreme heat. Empty container very hazardous! Continue all label precautions!

SECTION V — HEALTH HAZARD DATA

EYES AND SKIN CONTACT: Severe burns to skin, defatting, dermatitis. Severe burns to eyes, redness, tearing, blurred vision. Liquid can cause severe skin and eye burns. WASH THOROUGHLY AFTER HANDLING.

INHALATION: Severe respiratory tract irritation may occur. Vapor harmful.

SWALLOWING: Keep away from food! Harmful or fatal if swallowed.

SUBCHRONIC HAZARDS / CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED: Contact with liquid or breathing of vapors or mists can cause delayed and serious injury. Chronic overexposure can cause damage to kidneys, blood, nerves, liver and lungs. Persons with severe skin, liver or kidney problems should avoid use.

CANCER, REPRODUCTIVE AND OTHER CHRONIC HAZARDS: This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1 percent.

FIRST AID MEASURES - PROCEDURES

EYE CONTACT: Flush eyes with plenty of water for 15 minutes and CALL A PHYSICIAN.

SKIN CONTACT: In case of contact with skin, immediately remove contaminated clothing. Immediately flush skin with plenty of water until medical attention is obtained, then apply Magnesia Glycerine paste. CALL A PHYSICIAN.

INHALATION: After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration and CALL A PHYSICIAN.

SWALLOWING: If swallowed, do NOT induce vomiting. Have patient lie down and keep warm. Vomiting may lead to severe damage to esophagus which may be fatal. Give large amounts of water. Give at least one ounce of milk of magnesia in an equal amount of water. If unavailable, give the white of two or three eggs. Always keep a supply of Magnesia Glycerine paste at hand. Never give anything by mouth to an unconscious person. CALL A PHYSICIAN.

SECTION VI — REACTIVITY DATA

PRODUCT STABILITY: Stable but reacts with most metals producing hydrogen which is extremely flammable and may explode.

CONDITIONS TO AVOID: Isolate from oxidizers, alkalis, heat and open flames.

MATERIALS TO AVOID: Isolate from alkalis, amines and non-resistant metals.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, hydrogen fluoride from burning.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII — SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED: Stop spill at source. Dike area and contain. Neutralize with soda ash and dilute with plenty of water. Pump spilled liquid and put contaminated soil in DOT approved containers for disposal. Label immediately. Clean up remainder with absorbent materials. Wet down with plenty of water and remove immediately.

WASTE DISPOSAL METHOD: Recycle or dispose of in accordance with Federal, State, and Local health, safety and pollution laws. If questions exist, contact the appropriate agencies.

SECTION VIII — SPECIAL PROTECTION INFORMATION

EXPOSURE CONTROLS: Vapor, mist gas mask within use limits, or 29 CFR 1910.134, use NIOSH-approved positive pressure self-contained breathing apparatus. Consult safety equipment supplier.

VENTILATION: LOCAL EXHAUST: NECESSARY
MECHANICAL (GENERAL): NECESSARY
SPECIAL: NONE
OTHER: NONE

PERSONAL PROTECTION: Wear OSHA standard full-face shield. Consult safety equipment supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

SECTION IX — SPECIAL PRECAUTIONS

HANDLING: Isolate from oxidizers, alkalis, heat and open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard full-face shield. Consult safety supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame, cut, braze or weld. Empty containers are very hazardous! Continue all label precautions.

STORAGE: When using, loosen bung slowly to relieve pressure. Do not store above 38° C or 100° F. Keep container tightly closed and upright when not in use to prevent leakage. Reacts with most metal producing hydrogen which is extremely flammable and may explode. Wear full-face shield, gloves and full protective clothing when opening or handling. When empty, drain completely, replace bungs securely.

OTHER PRECAUTIONS: FOR INDUSTRIAL USE ONLY. DO NOT TAKE INTERNALLY. DO NOT REUSE CONTAINER FOR OTHER PURPOSES.

SECTION X — REGULATORY INFORMATION

All components of this product are on the TSCA LIST

SARA Title III Section 313 Supplier Notification: This product contains the indicated <*> toxic chemicals that are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

SARA TITLE III INGREDIENTS:

MATERIAL	CAS #	WT. %	(REG. SECTION)	RQ (LBS)
Cylohexanone	108-94-1	45	(311, 312, RCRA)	5000
*Hydrofluoric Acid	7664-39-3	5	(302, 311, 312, 313, RCRA)	100

SARA SECTION 311/312 HAZARDS—Acute Health, Fire:

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Cylohexanone	108-94-1	50 ppm (S)	25 ppm (S)	No
Hydrofluoric Acid	7664-39-3	3 ppm	3 ppm	Yes

Each component showing "Yes" under "HAP" is an EPA Hazardous Air Pollutant:

MATERIAL	CAS #	CEILING	STEL (ASHA/ACGIH)
Hydrofluoric Acid	7664-39-3	3 ppm	None Known

CALIFORNIA PROPOSITION 65: This product contains no known chemicals known to the state of California to cause cancer or reproductive toxicity.

D.O.T. SHIPPING NAME: Corrosive liquids, n.o.s., (contains 5 percent Hydrofluoric Acid), 8, UN 1760, PG II.

DRUM LABEL: (CORROSIVE) This product may qualify for LIMITED QUANTITY EXEMPTION from DOT hazardous material labeling and specification packaging requirements under 49 CFR 173.244.

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