

Material Safety Data Sheet

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SECTION I - Material Identity

Item Name

Part Number/Trade Name LESONAL SELF ETCHING HARDENER;
075216/075698

National Stock Number 8010P075698

CAGE Code 98502

Part Number Indicator A

MSDS Number 182823

HAZ Code B

SECTION II - Manufacturer's Information

Manufacturer Name AKZO NOBEL COATINGS INC

Street	5555 SPALDING DRIVE
City	NORCROSS
State	GA
Country	US
Zip Code	30092
Emergency Phone	800-424-9300

MSDS Preparer's Information

Date MSDS Prepared/Revised	04AUG97
Active Indicator	N

Alternate Vendors

Vendor #1 CAGE	98502
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SECTION III - Physical/Chemical Characteristics

Appearance/Odor	CLEAR LIQUID; ORGANIC ODOR
Boiling Point	131-246 F
Melting Point	N/A
Vapor Pressure	N/A
Vapor Density	HVR/AIR
Specific Gravity	.85
Evaporation Rate	SLWR/ETHER
Percent Volatiles by Volume	99
Container Pressure Code	4
Temperature Code	8
Product State Code	L

SECTION IV - Fire and Explosion Hazard Data

Flash Point Method	UNK
Lower Explosion Limit	1.0
Extinguishing Media	FOAM, CO2, DRY CHEMICAL, WATER FOG, WATER JET OR STREAM IS IS UNSUITABLE
Special Fire Fighting Procedures	WATER SHOULD BE USED TO COOL CNTRS EXPOSED TO FIRE. FIRE FIGHTING PERSONNEL SHOULD WEAR SCBA
Unusual Fire/Explosion Hazards	KEEP CNTRS TIGHTLY CLOSED, ISOLATE FROM HEAT, ELECTRICAL EQUIP. SPARKS, & OPEN FLAME. CLOSED CNTRS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT

SECTION V - Reactivity Data

Stability	YES
Stability Conditions to Avoid	HIGH TEMP., FLAME, SPARKS, OPEN CNTRS
Materials to Avoid	ALKALIES, ACIDS, OXIDIZERS, ALKALI METALS, ALDEHYDES, WATER, NITRIC ACID, SODIUM, HYDROXIDE
Hazardous Decomposition Products	OXIDES OF CARBON & NITROGEN, VARIOUS HYDROCARBONS, TOXIC FUMES
Hazardous Polymerization	NO
Polymerization Conditions to Avoid	WILL NOT OCCUR

SECTION VI - Health Hazard Data

Route of Entry: Skin	YES
Route of Entry: Ingestion	YES
Route of Entry: Inhalation	YES

Health Hazards - Acute and Chronic

UNCONSCIOUSNESS, CHEMICAL
PNEUMONITIS, CNS DEPRESSION,
ASPHYXIATION. DELAYED LUNG DAMAGE,
KIDNEY, LIVER, CARDIAC DISORDERS, RED
BLOOD CELL & LEUKOCYATE DISORDERS
WHICH MAY RESULT IN ANEMIA. SKIN:
SENSITIZATION EYE: BLURRED VISION,
SENSATION OF SEEING HALOS AROUND
LIGHTS. INGEST: KIDNEY DAMAGE, BLOOD
SYSTEM DAMAGE

Symptoms of Overexposure

INHALE: RESPIRATORY IRRITATION,
DIZZINESS, WEAKNESS, FATIGUE, NAUSEA,
HEADACHE. SKIN: DRY SKIN, IRRITATION,
REDNESS, DERMATITIS. MAY PASS THROUGH
INTO BLOOD. EYE: IRRITATION, REDNESS,
PAIN, BLURRED VISION. INGEST:
GASTROINTESTINAL IRRITATION, NAUSEA,
VOMITING, DIARRHEA. INTENTIONAL
MISUSE MAY BE HARMFUL OR FATAL.
PROLONGED OCCUPATIONAL
USE/OVEREXPOSURE MAY CAUSE PERMANENT
BRAIN/CNS DAMAGE

Medical Cond. Aggrevated by Exposure

PULMONARY CONDITIONS, SKIN DISORDERS,
EYE DISORDERS

Emergency/First Aid Procedures

INHALE: MOVE TO FRESH AIR, GIVE
ARITIFICIAL RESPIRATION IF NEEDED.
SKIN: WASH W/SOAP & WATER FOR >15
MIN, CONSULT PHYSICIAN IMMED. INGEST:
DRINK 1-2 GLASSES OF WATER TO DILUTE.
DO NOT INDUCE VOMITING. CONSULT
PHYSICIAN OR POISON CONTROL IMMED.
TREAT SYMPTOMATICALLY

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled	REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS, VENTILATE CONFINED AREA. DIKE TO REDUCE EXTENT OF SPILL. REMOVE W/INERT ABSORBANT USING NON-SPARKING TOOLS
Neutralizing Agent	(CONTD PRECAUTIONS) KEEP CNTRS TIGHT & UPRIGHT TO PREVENT LEAKAGE. (CONTD SUPP)
Waste Disposal Method	DISPOSE OF I/A/W FEDERAL, STATE AND LOCAL LAW
Handling and Storage Precautions	USE APPROVED BONDING & GROUNDING PROCEDURES WHEN TRANSFERRING LIQUID TO ANOTHER CNTR. NO SMOKING. STORE PLASTIC CNTR OF FLAMMABLE LIQUIDS INSIDE CLOSED , APPROVED BOXES /SAFETY CABINETS. STORE CNTR OUT OF THE SUN & AWAY FROM HEAT, SPARKS & OPEN FLAME
Other Precautions	CLOSE ALL CNTRS AFTER EACH USE. CONSULT NFPA & LOCAL CODES FOR ADDN'L STORAGE REQUIREMENTS. VAPORS ARE HVR/AIR & MAY TRAVEL ALONG FLOORS. USE EXPLOSION PROOF EQUIP. IN AREAS WHERE THERE IS SPRAYING OR OPEN CNTRS. OBSERVE LABEL PRECAUTIONS

SECTION VIII - Control Measures

Respiratory Protection	AIR SUPPLIED RESPIRATOR EQUIP. NEEDED UNTIL PARTICULATE AND VAPOR CONCENTRATION HAS FALLEN BELOW EXPOSURE LIMITS
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Ventilation	SUFFICIENT TO KEEP VAPOR CONCENTRATIONS BELOW GIVEN TLV/PEL
Protective Gloves	SOLVENT RESISTANT GLOVES
Eye Protection	USE SAFETY GOGGLES/FACE SHEILD
Other Protective Equipment	EYE BATH, SHOWER CHEMICAL RESISTANT APRON, BOOTS OR OTHER CLOTHING.
Work Hygenic Practices	DO NOT EAT, DRINK, SMOKE IN WORK AREAS. WASH HANDS BEFORE EATING, SMOKING, OR USING THE WASHROOM
Supplemental Health/Safety Data	LAUNDER CLOTHING BEFORE REUSE. VAPORS ARE HVR THAN AIR AND MAY TRAVEL ALONG FLOORS. USE EXPLOSION PROOF EQUIP. IN AREAS WHERE THERE IS SPRAYING OR OPEN CNTRS. DO NOT TAKE INTERNALLY. OBSERVE ALL LABEL PRECAUTIONS. KEEP CLOSURES TIGHT & CNTR UPRIGHT TO PREVENT LEAKAGE. AVOID BREATHING SANDING DUST

SECTION IX - Label Data

Protect Eye	YES
Protect Skin	YES
Protect Respiratory	YES
Chronic Indicator	YES
Contact Code	SEVERE
Fire Code	UNKNOWN
Health Code	UNKNOWN
React Code	UNKNOWN
Specific Hazard and Precaution	SEE HEALTH HAZARDS

SECTION X - Transportation Data

Container Quantity	1
Unit of Measure	GL

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G)	7.0181
Volatile Organic Compounds (G/L)	841.0409

SECTION XII - Ingredients/Identity Information

Ingredient #	01
Ingredient Name	TOULENE (10-20%)
CAS Number	108883
Proprietary	NO
Percent	15.1
OSHA PEL	200 PPM
ACGIH TLV	500 PPM
Ingredient #	02
Ingredient Name	PHOSPHORIC ACID
CAS Number	7664382
Proprietary	NO
Percent	2
OSHA PEL	1 MG/M3
ACGIH TLV	1 MG/M3
Ingredient #	03
Ingredient Name	ETHYL ALCOHOL (10-20%)
CAS Number	64175
Proprietary	NO

Percent	20
OSHA PEL	1000 PPM
ACGIH TLV	1000 PPM
Ingredient #	04
Ingredient Name	BUTYL ACETATE (10-20%)
CAS Number	123864
Proprietary	NO
Percent	20
OSHA PEL	150 PPM
ACGIH TLV	150 PPM
Ingredient #	05
Ingredient Name	BUTANOL
CAS Number	71363
Proprietary	NO
Percent	15.1
OSHA PEL	100 PPM
ACGIH TLV	50 PPM
Ingredient #	06
Ingredient Name	ETHYLBENZENE
CAS Number	100414
Proprietary	MP
Percent	3.8
OSHA PEL	100 PPM
ACGIH TLV	100 PPM
Ingredient #	07
Ingredient Name	2-PENTANONE, 4-METHYL-
CAS Number	108101
Proprietary	NO
Percent	16.4
OSHA PEL	100 PPM

ACGIH TLV	50 PPM
Ingredient #	08
Ingredient Name	BENZENE, DIMETHYL-
CAS Number	1330207
Proprietary	NO
Percent	16.3
OSHA PEL	100 PPM
ACGIH TLV	100 PPM
