

MATERIAL SAFETY DATA SHEET



IDENTITY COATED ABRASIVES "ALUMINUM OXIDE"	TRADE NAME JF-88 grits P150-P60
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SECTION I (MATERIAL IDENTIFICATION)

MANUFACTURER'S NAME Fábrica Nacional de Lija, S.A de C.V.	EMERGENCY TELEPHONE NUMBER 011 525 3661403
ADDRESS (Street, Number, City, ZIP Code, State) Av. Presidente Juárez # 225 San Jerónimo Tepetlcalco Tlalnepantla 54000 Estado de México MEXICO	TELEPHONE & FAX NUMBER FOR INFORMATION 011 525 366 1400 fax 011 525 366 1499
	REVISION DATE September, 2006
	PREPARED BY (Technical contact) Alfredo Bañuelos or José Jiménez

SECTION II (MATERIAL DESCRIPTION & HAZARD RATING)

TECHNICAL DESCRIPTION: Aluminum Oxide coated on a cotton backing with a resin binder.	HAZARD RATING: 1, 0, 0	NFPA CODE
CHEMICAL FAMILY NA		0: Minimum
CHEMICAL NAME/FORMULA NA		1: Slight
SYNONYMOUS NA		2: Moderate
		3: Serious
		4: Extreme

SECTION III (HAZARDOUS INGREDIENTS/IDENTITY INFORMATION)

Chemical name	CAS No.	Common name (s)	Percent	OSHA - PEL (mg/m3)	ACGIH-TLV (mg/m3)
Aluminum Oxide (Al ₂ O ₃)	1344 - 28 - 1	Alpha Alumina	29.0 - 41.3	15.0 (total dust)	10.0 (total dust)
Cotton Backing	NONE	Cotton Cloth	22.9 - 41.1	-----	-----
Phenol-Formaldehyde resin "cured"	NONE	Phenolic resin	9.9 - 18.8	-----	-----
Styrene - Butadiene Latex	9003 - 55 - 8	SBR Latex	5.3 - 10.7	-----	-----
Kaolinite	1318 - 74 - 7	Kaolin	4.6 - 9.6	-----	-----
Titanium Dioxide	13463 - 67 - 7	Titanium Dioxide	0.66 - 1.33	-----	10.0 (total dust)
Carbon Black	1333 - 86 - 4	Pigment Black	0.02 - 0.04	-----	-----
Calcium fluoride	14542 - 23 - 5	Fluorspar	1.6 - 2.4	2.5	2.5
Potassium Fluoroborate	14075 - 53 - 7	Potassium Fluoroborate	4.4 - 10.4	2.5	2.5
Melamine-Formaldehyde polymerized resin	68002 - 20 - 0	Melamine resin	0.17 - 0.34	-----	-----
Phthalocyanine Green	Mixture	Pigment Green 7	0.11 - 0.22	-----	-----

REMARKS
The above materials are not carcinogen.
Materials are regulated by OSHA 29 CFR 1910.1200, Hazard Communication and/or The Massachusetts General Law, Chapter III, Right to know Regulations

SECTION IV (PHYSICAL & CHEMICAL CHARACTERISTICS)

BOILING POINT	NA	SOLUBILITY IN WATER	NA	SPECIFIC GRAVITY (H₂O=1)	NA
VAPOR PRESSURE	NA	SOLUBILITY IN ALCOHOL	NA	MELTING POINT	NA
VAPOR DENSITY (Air = 1)	NA	SOLUBILITY IN OTHER SOLVENT	NA	% VOLATILE BY VOLUME	NA
APPEARANCE & ODOR	Cloth coated with abrasive particles which are bonded with resin binder.			EVAPORATION RATE	NA

SECTION V (FIRE & EXPLOSION HAZARD DATA)

FLASH POINT (Method used) NA	FLAMMABLE LIMITS NA	LEL NA	UEL NA
EXTINGUISHED MEDIA Water, carbon dioxide, Dry chemical, Foam			
SPECIAL FIRE FIGHTING PROCEDURES Backings and cured resin will burn or decompose. Use respiratory protection.			
UNUSUAL FIRE & EXPLOSION HAZARDS NA			

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SECTION VI (REACTIVITY DATA)

STABILITY	UNSTABLE		CONDITIONS TO AVOID NA
	STABLE	X	

INCOMPATIBILITY (Materials to Avoid)
In use organic fumes may be liberated.

HAZARDOUS DECOMPOSITION OR BY PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID NA
	WILL NOT OCCUR	X	

SECTION VII (HEALTH HAZARD DATA)

ROUTE (s) OF ENTRY	INHALATION	SKIN	INGESTION
During use	Airborne dusts or fumes.	Airborne dusts or fumes.	Airborne dusts or fumes.

HEALTH HAZARDS (Acute & chronic) ACUTE: Breathing difficulty, skin, eye, nasal and respiratory irritation; organic fumes can cause gastric pain, internal bleeding or tissue damage. CHRONIC: Exposure to organic fumes (fluoride) has been reported to cause osteoclorosis, mottling of tooth enamel and damage to skin, eye and mucous membranes.

CARCINOGENICITY	NTP NA	IARC MONOGRAPHS NA	OSHA REGULATED NA
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SIGNS & SYMPTOMS OF EXPOSURE Deposits or material on skin, in eyes and nasal passages. Coughing and/or breathing difficulties may be present.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE Pulmonary disorders, skin or eye disorders.

EMERGENCY & FIRST AID PROCEDURES

Remove to dust free area. Irrigate eyes and/or skin with copious amounts of water.
SEEK MEDICAL ATTENTION.

SECTION VIII (PRECAUTIONS FOR SAFE HANDLING & USE)

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Ordinary precautions for dust and particulates.

WASTE DISPOSAL METHOD

In compliance with Federal, State and local regulations for landfill.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORING

Not applicable

OTHER PRECAUTIONS

Not applicable

SECTION IX (CONTROL MEASURES)

RESPIRATORY PROTECTION (Specify type) If limits are exceeded during sanding or grinding, an approved NIOSH respirator must be used. OSHA 29 CFR 1910 - 134

VENTILATION	LOCAL EXHAUST Must be used to control exposure to dust or fumes.	SPECIAL NA
	MECHANICAL (General) Hoods connected to exhaust ducts and appropriate dust collector.	

PROTECTIVE GLOVES abrasion and/or skin irritation. Wear gloves to prevent
EYE PROTECTION Wear safety glasses while sanding or grinding. OSHA 29 CFR 1910 . 133

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Hearing protection OSHA 29 CFR 1910 . 215

WORK/HYGIENIC PRACTICES

Ordinary washing and cleanliness practices.

ABBREVIATIONS: NA = NOT APPLICABLE

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