

# MATERIAL SAFETY DATA SHEET



<b>IDENTITY</b> COATED ABRASIVES "ALUMINUM OXIDE"	<b>TRADE NAME</b> J-86 , X-86
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## SECTION I (MATERIAL IDENTIFICATION)

<b>MANUFACTURER'S NAME</b> Fábrica Nacional de Lija, S.A de C.V.	<b>EMERGENCY TELEPHONE NUMBER</b> 011 525 366 1403
<b>ADDRESS (Street, Number, City, State, ZIP Code)</b> Av. Presidente Juárez # 225 San Jerónimo Tepetlalcalco Tlalnepantla 54000 Estado de México MEXICO	<b>TELEPHONE &amp; FAX NUMBER FOR INFORMATION</b> 011 525 366 1400 fax 011 525 366 1499
	<b>REVISION DATE</b> July, 2006
	<b>PREPARED BY (Technical contact)</b> Alfredo Bañuelos or José Jiménez

## SECTION II (MATERIAL DESCRIPTION & HAZARD RATING)

<b>TECHNICAL DESCRIPTION:</b> Aluminum Oxide coated on a cotton backing and resin binder.	<b>HAZARD RATING:</b> 1, 0, 0	<b>NFPA CODE</b>
<b>CHEMICAL FAMILY</b> NA		0: Minimum
<b>CHEMICAL NAME/FORMULA</b> NA		1: Slight
<b>SYNONYMOUS</b> 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 <sub>2</sub> O <sub>3</sub> )	1344 - 28 - 1	Alpha Alumina	13 - 60	15.0 (total dust)	10.0 (total dust)
Cotton Backing	NONE	Cotton Cloth	18 - 78	-----	-----
Phenol-Formaldehyde resin "cured"	NONE	phenolic resin	5 - 30	-----	-----

**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)

<b>BOILING POINT</b> NA	<b>SOLUBILITY IN WATER</b> NA	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1)</b> NA
<b>VAPOR PRESSURE</b> NA	<b>SOLUBILITY IN ALCOHOL</b> NA	<b>MELTING POINT</b> NA
<b>VAPOR DENSITY (Air = 1)</b> NA	<b>SOLUBILITY IN OTHER SOLVENT</b> NA	<b>% VOLATILE BY VOLUME</b> NA
<b>APPEARANCE &amp; ODOR</b>	Cloth coated with abrasive particles which are bonded with resin binder.	<b>EVAPORATION RATE</b> NA

## SECTION V (FIRE & EXPLOSION HAZARD DATA)

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

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## SECTION VI (REACTIVITY DATA)

<b>STABILITY</b>	<b>UNSTABLE</b>		<b>CONDITIONS TO AVOID</b> NA
	<b>STABLE</b>	X	

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

## HAZARDOUS DECOMPOSITION OR BY PRODUCTS

<b>HAZARDOUS POLYMERIZATION</b>	<b>MAY OCCUR</b>		<b>CONDITIONS TO AVOID</b> NA
	<b>WILL NOT OCCUR</b>	X	

## SECTION VII (HEALTH HAZARD DATA)

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

**HEALTH HAZARDS (Acute & chronic)** ACUTE & CHRONIC: Breathing difficulty, skin, eye, nasal and respiratory irritation.

<b>CARCINOGENICITY</b>	<b>NTP</b>	<b>IARC MONOGRAPHS</b>	<b>OSHA REGULATED</b>
	NA	NA	NA

**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 CRF 1910 - 134

<b>VENTILATION</b>	<b>LOCAL EXHAUST</b> Must be used to control exposure to dust or fumes.	<b>SPECIAL</b>	NA
	<b>MECHANICAL (General)</b> 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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