

# MATERIAL SAFETY DATA SHEET



<b>IDENTITY</b> <b>COATED ABRASIVES "ALUMINUM OXIDE"</b>	<b>TRADE NAME</b> <b>C-081 , D-081 , E-83</b>
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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 3661403
<b>ADDRESS (Street, Number, City, State, ZIP Code)</b> Av. Presidente Juárez # 225 San Jerónimo Tepetlalcaco 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 paper backing and resin binder.	<b>HAZARD RATING:</b> 1, 0, 0	<b>NFPA CODE</b>
<b>CHEMICAL FAMILY</b> NA	<p>Blue: Health hazard Red: Fire hazard Yellow: Reactivity hazard White: Special hazard</p>	<p>0: Minimum 1: Slight 2: Moderate 3: Serious 4: Extreme</p>
<b>CHEMICAL NAME/FORMULA</b> NA		
<b>SYNONYMOUS</b> NA		

## SECTION III (HAZARDOUS INGREDIENTS/IDENTITY INFORMATION)

### HAZARDOUS COMPONENTS

Chemical name	CAS No.	Common name (s)	Percent	OSHA - PEL (mg/m <sup>3</sup> )	ACGIH-TLV (mg/m <sup>3</sup> )
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	1344 - 28 - 1	Alpha Alumina	10 - 75	15.0 (total dust)	10.0 (total dust)
Paper Backing	NONE	-----	10 - 80	-----	-----
Organic Glue and/or Urea-Formaldehyde resin "cured"	NONE	Animal Glue and/or Urea resin	7 - 25	-----	-----

### 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>	Paper 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
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**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)

<b>STABILITY</b>	<b>UNSTABLE</b>		<b>CONDITIONS TO AVOID</b>
	<b>STABLE</b>	X	NA
<b>INCOMPATIBILITY (Materials to Avoid)</b> In use organic fumes may be liberated.			
<b>HAZARDOUS DECOMPOSITION OR BY PRODUCTS</b>			
<b>HAZARDOUS POLYMERIZATION</b>	<b>MAY OCCUR</b>		<b>CONDITIONS TO AVOID</b>
	<b>WILL NOT OCCUR</b>	X	NA

## SECTION VII (HEALTH HAZARD DATA)

<b>ROUTE (s) OF ENTRY</b> During use	<b>INHALATION</b> Airborne dusts or fumes.	<b>SKIN</b> Airborne dusts or fumes.	<b>INGESTION</b> Airborne dusts or fumes.
<b>HEALTH HAZARDS (Acute &amp; chronic)</b> ACUTE & CHRONIC: Breathing difficulty, skin, eye, nasal and respiratory irritation.			
<b>CARCINOGENICITY</b>	<b>NTP</b> NA	<b>IARC MONOGRAPHS</b> NA	<b>OSHA REGULATED</b> NA
<b>SIGNS &amp; SYMPTOMS OF EXPOSURE</b> Deposits or material on skin, in eyes and nasal passages. Coughing and/or breathing difficulties may be present.			
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE</b> Pulmonary disorders, skin or eye disorders.			
<b>EMERGENCY &amp; FIRST AID PROCEDURES</b> 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)

<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b> Ordinary precautions for dust and particulates.
<b>WASTE DISPOSAL METHOD</b> In compliance with Federal, State and local regulations for landfill.
<b>PRECAUTIONS TO BE TAKEN IN HANDLING &amp; STORING</b> Not applicable
<b>OTHER PRECAUTIONS</b> Not applicable

## SECTION IX (CONTROL MEASURES)

<b>RESPIRATORY PROTECTION (Specify type)</b>	If limits are exceeded during sanding or grinding, an approved NIOSH respirator must be used. OSHA 29 CFR 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.		
<b>PROTECTIVE GLOVES</b> abrasion and/or skin irritation.	Wear gloves to prevent	<b>EYE PROTECTION</b>	Wear safety glasses while sanding or grinding. OSHA 29 CFR 1910 . 133
<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT</b> Hearing protection OSHA 29 CFR 1910 . 215			
<b>WORK/HYGIENIC PRACTICES</b> Ordinary washing and cleanliness practices.			

ABBREVIATIONS: NA = NOT APPLICABLE

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