

# MATERIAL SAFETY DATA SHEET



<b>IDENTITY</b> COATED ABRASIVES "ALUMINUM OXIDE"	<b>TRADE NAME</b> F084
--	---------------------------

## 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 Tepetlaco 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		Blue: Health hazard Red: Fire hazard Yellow: Reactivity hazard White: Special hazard  0: Minimum 1: Slight 2: Moderate 3: Serious 4: Extreme
<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/m3)	ACGIH-TLV (mg/m3)
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	1344 - 28 - 1	Alpha Alumina	15 - 55	15.0 (total dust)	10.0 (total dust)
Phenol-Formaldehyde resin "cured"	NONE	Phenolic Resin	15 - 35	-----	-----
Graphite	-----	-----	1-7	-----	-----
Paper backing	NONE	-----	25 - 65	-----	-----

**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
--	-------------------------	------------------	------------------

**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

# MATERIAL SAFETY DATA SHEET



<b>IDENTITY</b> COATED ABRASIVES "ALUMINUM OXIDE"	<b>TRADE NAME</b> F084
--	---------------------------

## SECTION VI (REACTIVITY DATA)

<b>STABILITY</b>	<b>UNSTABLE</b>		<b>CONDITIONS TO AVOID</b> NA
	<b>STABLE</b>	X	
<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> NA
	<b>WILL NOT OCCUR</b>	X	

## 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

"THE INFORMATION IS PROVIDED IN GOOD FAITH AND IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER, FABRICA NACIONAL DE LJJA, S.A de C.V. MAKES NO WARRANTY WITH RESPECT OF THE ACCURACY OF THE INFORMATION AND DISCLAIMS RESPONSIBILITY FOR DAMAGES OF ANY KIND RESULTING FROM THE USE OF THIS DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. CUSTOMERS ARE ENCOURAGED TO MAKE THEIR OWN DETERMINATION AS TO THE SUITABILITY OF THIS PRODUCT FOR THEIR PURPOSE PRIOR TO USE".