



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. LL 30  
Effective Date March 19, 1999

## SECTION V HEALTH HAZARD DATA

LL 30

**Threshold Limited Value** TWA 3.5 mg/m<sup>3</sup> OSHA; STEL 7 mg/m<sup>3</sup>; NIOSH recommended 10 hr. TWA 3.5 mg/m<sup>3</sup>.

**Effects of Overexposure** **TARGET AFFECTS:** Poisoning may affect the respiratory system, heart, skin and oral mucosa. **INHALATION:** May cause irritation of the nose and respiratory tract. **SKIN:** May cause irritation on prolonged contact. **EYES:** May cause irritation and discoloration of the lids and conjunctiva. **INGESTION:** No data available.

**Emergency and First Aid Procedures** **INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention. **INGESTION:** Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration. Never give anything by mouth to an unconscious person.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	Excessive temperature and heat. Ignition source.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** Strong oxidizers, such as chlorates, bromates, nitrates.

**Hazardous Decomposition Products** Thermal decomposition products may include toxic oxides of carbon.

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>		Not applicable.
	<b>May Occur</b>	<b>Will Not Occur</b>	
		X	

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** Recover for use if not contaminated. Sweep up and place in suitable container for proper disposal. Avoid dust dispersion.

**Waste Disposal Method** Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.

Dispose of in an approved incinerator or contract with a licensed waste disposal agency.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

<b>Ventilation</b>	<b>Local Exhaust</b>	<b>Recommended.</b>	<b>Special</b>	<b>No.</b>
	<b>Mechanical (General)</b>	<b>Recommended.</b>	<b>Other</b>	<b>No.</b>

<b>Protective Gloves</b>	Rubber.	<b>Eye Protection</b>	Chemical safety glasses.
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**Other Protective Equipment** Lab coat, apron, eye wash station, proper gloves.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool, dry area away from oxidizing materials, sparks or ignition sources. Wash thoroughly after handling.  
Keep container tightly closed when not in use.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals.

Avoid inhalation of dust. Use with adequate ventilation. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

<b>Revision</b> No. 5	<b>Date</b> 3/19/99	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	LAMPBLACK	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177	<b>Health</b>	0
<b>Chemical Synonyms</b>	Carbon Black, C.I. No. 77266		<b>Fire</b>	0
<b>Formula</b>	C		<b>Reactivity</b>	0
<b>Unit Size</b>	up to 2.5 Kg.		<b>HMIS *</b>	
<b>C.A.S. No.</b>	1333-86-4	<b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4		

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Lampblack	100%	See Section V.

**CAUTION! DO NOT BREATHE DUST.**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	3680°C (6656°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.8-2.1
<b>Boiling Point (°F)</b>	4200°C (7592°F)	<b>Percent Volatile by Volume (%)</b>	Negligible as solid.
<b>Vapor Pressure (mm Hg)</b>	Negligible as solid.	<b>Evaporation Rate ( =1)</b>	Not applicable.
<b>Vapor Density (Air=1)</b>	Not applicable.		
<b>Solubility in Water</b>	Insoluble.		
<b>Appearance &amp; Odor</b>	Odorless, fine black powder.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Not applicable.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
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**Extinguisher Media** Water fog; foam; carbon dioxide (CO<sub>2</sub>); dry chemical (ABC).

**SPECIAL FIREFIGHTING PROCEDURES** If involved in fire situation, wear a NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

Autoignition Temperature: 900°C (1652°F) (Layer).

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

Avoid dispersion of dust in air. Finely divided particles, dust or fume may be a slight fire hazard.

D.O.T. **NON-REGULATED.**

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20