

DATE: 03/30/98 ACCT: 742982001  
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\*\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*\*

Naphthol as, 99%  
38127

\*\*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*\*

MSDS Name: Naphthol as, 99%  
Catalog Numbers:  
AC212180000, AC212181000  
Synonyms:  
C.I. 37505  
Company Identification: Acros Organics N.V.  
One Reagent Lane  
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01  
For emergencies in the US, call CHEMTREC: 800-424-9300

\*\*\*\* SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*\*

CAS #	Chemical Name	%	EINECS #
92-77-3	Naphthol AS, 99%		202-188-1

Hazard Symbols: Xi  
Risk Phrases: 36/37/38

\*\*\*\* SECTION 3 - HAZARDS IDENTIFICATION \*\*\*\*

Appearance: beige powder.  
EMERGENCY OVERVIEW

Target Organs: None.

Potential Health Effects  
The toxicological properties of this material have not been investigated. Use appropriate procedures to prevent opportunities for direct contact with the skin or eyes and to prevent inhalation.

\*\*\*\* SECTION 4 - FIRST AID MEASURES \*\*\*\*

Eyes:  
Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids.

Skin:  
Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion:  
Do not induce vomiting. Allow the victim to rinse his mouth and then to drink 2-4 cupfuls of water, and seek medical advice.

Inhalation:  
Remove from exposure to fresh air immediately.

Notes to Physician:  
Treat symptomatically and supportively.

\*\*\*\* SECTION 5 - FIRE FIGHTING MEASURES \*\*\*\*

General Information:  
As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media:  
Water, alcohol-resistant foam, dry chemical, chemical foam, or alcohol-resistant foam.

Autoignition Temperature: Not available.

Flash Point: Not available.

NFPA Rating: Not published.

Explosion Limits: Lower: Not available.  
Upper: Not available.

\*\*\*\* SECTION 6 - ACCIDENTAL RELEASE MEASURES \*\*\*\*

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:  
Small spills immediately, observing precautions in the Protective Equipment section. Sweep up, then place into a suitable container for disposal.

\*\*\*\* SECTION 7 - HANDLING AND STORAGE \*\*\*\*

Handling:  
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

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Storage:  
Store in a cool, dry place. Keep container closed when not in use.

\*\*\*\* SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*\*

Engineering Controls:  
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels.

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Naphthol AS, 99%	none listed	none listed	none listed

OSHA Vacated PELs:  
Naphthol AS, 99%:  
No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes:  
Wear safety glasses and chemical goggles if splashing is possible.

Skin:  
Wear appropriate protective gloves and clothing to prevent skin exposure.

Clothing:  
Wear appropriate protective clothing to minimize contact with skin.

Respirators:  
Wear a NIOSH/MSHA-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

\*\*\*\* SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES \*\*\*\*

Physical State: Not available.

Appearance: beige

Odor: None reported.

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate: Not available.

Viscosity: Not available.

Boiling Point: @ 760.00mm Hg  
Freezing/Melting Point: 247.00 - 250.00 deg C

Decomposition Temperature: Not available.

Solubility: Not available.

Specific Gravity/Density: Not available.

Molecular Formula: C<sub>10</sub>H<sub>7</sub>ClNO<sub>2</sub>

Molecular Weight: 263.28

\*\*\*\* SECTION 10 - STABILITY AND REACTIVITY \*\*\*\*

Chemical Stability:  
Stable under normal temperatures and pressures.

Conditions to Avoid:  
Incompatible materials, strong oxidants.

Incompatibilities with Other Materials:  
Strong oxidizing agents.

Hazardous Decomposition Products:  
Nitrogen oxides, carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, nitrogen.

Hazardous Polymerization: Has not been reported.

\*\*\*\* SECTION 11 - TOXICOLOGICAL INFORMATION \*\*\*\*

RTCS#:  
CAS# 92-77-3 unlisted.

LD50/LC50:  
Not available.

Carcinogenicity:  
Naphthol AS, 99% -  
Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

\*\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*\*

Ecotoxicity:  
Not available.

\*\*\*\* SECTION 13 - DISPOSAL CONSIDERATIONS \*\*\*\*

Dispose of in a manner consistent with federal, state, and local regulations. RCRA D-Series Maximum Concentration of Contaminants:  
None listed.

RCRA D-Series Chronic Toxicity Reference Levels: None listed.  
RCRA F-Series: None listed.  
RCRA P-Series: None listed.  
RCRA U-Series: None listed.  
Not listed as a material banned from land disposal according to RCRA.

\*\*\*\* SECTION 14 - TRANSPORT INFORMATION \*\*\*\*

US DOT  
No information available  
IMO Not regulated as a hazardous material.  
IATA Not regulated as a hazardous material.  
RID/ADR Not regulated as a hazardous material.  
Canadian TDG  
No information available.

\*\*\*\* SECTION 15 - REGULATORY INFORMATION \*\*\*\*

US FEDERAL  
TSCA

CAS# 92-77-3 is listed on the TSCA Inventory.  
Health & Safety Reporting List  
None of the chemicals are on the Health & Safety Reporting List.  
Chemical Test Rules  
None of the chemicals in this product are under a Chemical Test Rule.  
Section 12b  
None of the chemicals are listed under TSCA Section 12b.  
TSCA Significant New Use Rule  
None of the chemicals in this material have a SNUR under TSCA.  
SARA  
Section 302 (RO)  
None of the chemicals in this material have an RO.  
Section 302 (TPO)  
None of the chemicals in this product have a TPO.  
Section 313  
No chemicals are reportable under Section 313.  
Clean Air Act:  
This material does not contain any hazardous air pollutants.  
This material does not contain any Class 1 Ozone depleters.  
This material does not contain any Class 2 Ozone depleters.  
Clean Water Act:  
None of the chemicals in this product are listed as Hazardous Substances under the CWA.  
None of the chemicals in this product are listed as Priority Pollutants under the CWA.  
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.  
OSHA:  
None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

Naphthol AS, 99% is not present on state lists from CA, PA, MN, MA, FL, or NJ.  
California No Significant Risk Level:  
None of the chemicals in this product are listed.  
European/International Regulations  
European Labeling in Accordance with EC Directives  
Hazard Symbols: Xi  
Risk Phrases: 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:  
S 24/25 Avoid contact with skin and eyes.  
WGK (Water Danger/Protection)  
CAS# 92-77-3:

Canada  
CAS# 92-77-3 is listed on Canada's DSL/NDL List.  
WHMIS: Not available.  
CAS# 92-77-3 is not listed on Canada's Ingredient Disclosure List.  
Exposure Limits

\*\*\*\* SECTION 16 - ADDITIONAL INFORMATION \*\*\*\*

MSDS Creation Date: 1/03/1991 Revision #2 Date: 9/02/1997

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