

**1. PRODUCT AND COMPANY IDENTIFICATION****1.1 Product identifiers**

Product name :  $\alpha$ -Naphthyl Acetate (Non-Specific Esterase)

Product Number : 90A1

Brand : Sigma

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : Laboratory chemicals, Manufacture of substances

**1.3 Details of the supplier of the safety data sheet**

Company : Sigma-Aldrich  
3050 Spruce Street  
SAINT LOUIS MO 63103  
USA

Telephone : +1 800-325-5832

Fax : +1 800-325-5052

**1.4 Emergency telephone number**

Emergency Phone # : (314) 776-6555

This is a summary MSDS for a kit, for the full MSDS for each of the components listed in section 16 please visit our website.

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids (Category 3), H226  
Acute toxicity, Oral (Category 4), H302  
Acute toxicity, Inhalation (Category 4), H332  
Acute toxicity, Dermal (Category 4), H312  
Skin irritation (Category 2), H315  
Serious eye damage (Category 1), H318  
Carcinogenicity (Category 2), H351  
Reproductive toxicity (Category 1B), H360

For the full text of the H-Statements mentioned in this Section, see Section 16.

**2.2 GHS Label elements, including precautionary statements**

Pictogram



Signal word

Danger

Hazard statement(s)

H226 : Flammable liquid and vapour.  
H302 + H312 + H332 : Harmful if swallowed, in contact with skin or if inhaled  
H315 : Causes skin irritation.  
H318 : Causes serious eye damage.  
H351 : Suspected of causing cancer.  
H360 : May damage fertility or the unborn child.

Precautionary statement(s)	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/ physician.
P322	Specific measures (see supplemental first aid instructions on this label).
P330	Rinse mouth.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

**2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none**

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**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Refer to component MSDS

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**4. FIRST AID MEASURES**

Refer to component MSDS

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**5. FIREFIGHTING MEASURES**

Refer to component MSDS

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**6. ACCIDENTAL RELEASE MEASURES**

Refer to component MSDS

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**7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

For precautions see section 2.2.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature 2 - 8 °C

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Refer to component MSDS

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Refer to component MSDS

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## 10. STABILITY AND REACTIVITY

Refer to component MSDS

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## 11. TOXICOLOGICAL INFORMATION

Refer to component MSDS

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## 12. ECOLOGICAL INFORMATION

Refer to component MSDS

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## 13. DISPOSAL CONSIDERATIONS

Refer to component MSDS

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## 14. TRANSPORT INFORMATION

### DOT (US)

UN number: 3316      Class: 9      Packing group: II

Proper shipping name: Chemical kits

Marine pollutant: No

Poison Inhalation Hazard: No

### IMDG

UN number: 3316      Class: 9      Packing group: II      EMS-No: F-A, S-P

Proper shipping name: CHEMICAL KIT

Marine pollutant: No

### IATA

UN number: 3316      Class: 9      Packing group: II

Proper shipping name: Chemical kit

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## 15. REGULATORY INFORMATION

### SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

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## 16. OTHER INFORMATION

### Kit Components:

Fast Blue RR zinc salt	SIGMA	F6053	
1-Naphthyl acetate	SIGMA	906	Eye Dam. 1; H318
Citrate Concentrate	SIGMA	3861	Skin Irrit. 2; Eye Dam. 1; H315, H318
2-Methoxyethanol	SIGMA	9011	Flam. Liq. 3; Acute Tox. 4; Repr. 1B; H226, H312 + H332, H360
Hematoxylin Solution, Mayer's	SIGMA	MHS1	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; H302, H315, H319
Trizmal™ buffer	SIGMA	903C	Carc. 2; H351

**HMIS Rating**

Health hazard: 3  
Chronic Health Hazard: \*  
Flammability: 2  
Physical Hazard 1

**NFPA Rating**

Health hazard: 3  
Fire Hazard: 2  
Reactivity Hazard: 0

**Further information**

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**Preparation Information**

Sigma-Aldrich Corporation  
Product Safety – Americas Region  
1-800-521-8956

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