



MATERIAL SAFETY DATA SHEET

ALANAP®-L

Version: 1.3
Date of Issue: 06/25/2007
Date printed: 06/26/2007

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ALANAP®-L

Chemical name: Naptalam-Sodium Salt

Use of substance/preparation: Herbicide

Supplier: Chemtura Corporation
199 Benson Road
Middlebury, CT 06749 USA

Emergency telephone number: CHEMTREC (24 hours) 800-424-9300
Chemtura Corporation Emergency Response (24 hours) 800-292-5898

Environmental, Health and Safety Department: 866-430-2775

Prepared by Product Safety Department Date of Issue: 06/25/2007
(US) +1 866-430-2775
(EU) +44 (0) 1753.603.000
Email: MSDSRequest@chemtura.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING!

MAY CAUSE MODERATE IRRITATION TO EYES.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE SKIN SENSITIZATION.

3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	% BY WEIGHT
Naptalam-Sodium Salt CAS# 132-67-2	23.7
1-Naphthylamine CAS# 134-32-7	< 1
Inerts CAS# -	76.3

Ingredients not precisely identified are non-hazardous and/or proprietary.



MATERIAL SAFETY DATA SHEET

ALANAP®-L

Version: 1.3
Date of Issue: 06/25/2007
Date printed: 06/26/2007

4. FIRST AID MEASURES

Swallowing

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Skin contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Eye contact

Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

5. FIRE-FIGHTING MEASURES

Flash point: 221 °F 105 °C
Flammable limits:
Lower limit: Not available
Upper limit: Not available
Autoignition temperature: 560 °C (1,040 °F)

Hazardous combustion products

Irritating fumes.
Oxides of carbon.

Special fire fighting procedures

Do not discharge extinguishing waters into streams, rivers and lakes.

Special protective equipment for firefighters

Body covering protective clothing, full "turn-out" gear.
Self-contained breathing apparatus.

Extinguishing media

Suitable: Large fires:
- alcohol-type foam or universal-type foams
Small fires:
- CO2
- dry chemical
Unsuitable: - water jets

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear suitable protective equipment., Avoid contact with eyes and skin.

Environmental precautions

Prevent from entering sewer system, surface water or soil.

Methods for cleaning up

Observe government regulations.

Small spills: Absorb on inert material such as sand, earth, vermiculite.
Collect for disposal.



MATERIAL SAFETY DATA SHEET

ALANAP®-L

Version: 1.3
Date of Issue: 06/25/2007
Date printed: 06/26/2007

Large spills **Dike to contain spill.**
 Pump excess material into suitable container (metal drums, metal tank, or such).

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Do not get in eyes., Avoid prolonged or repeated contact with skin., Avoid breathing vapor., Use with adequate ventilation., Wash thoroughly after handling.

Other precautions

NOTE TO END-USERS: The employee protection recommendations on this MSDS may differ from those on the product label. For normal use of this product, always refer to the personal protective equipment requirements on the product label.

STORAGE

Storage requirements

Store in a cool, dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMIT VALUES

PERSONAL PROTECTION

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment., The determination of appropriate respiratory protection is best performed, on a case by case basis, taking into consideration the exposure conditions of the particular operation., The respirator manufacturer should be consulted to ensure that the air-purifying cartridges utilized will provide adequate protection for the exposure conditions and period of wear concerned.

Hand protection / protective gloves

Chemical resistant protective gloves

Eye protection

Safety glasses with side shields.

Skin protection

Wear protective clothing, such as long sleeves to minimize skin contact.

Other protective equipment

Eye bath, Safety shower

ENGINEERING CONTROLS

Ventilation

General (mechanical) room ventilation is expected to be satisfactory., Special, local ventilation is needed at points where vapors can be expected to escape to the workplace air.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Liquid
Color	Orange
	to
	Red
Odor	Sweet naphtha
Odor threshold	Not available



MATERIAL SAFETY DATA SHEET

ALANAP®-L

Version: 1.3
Date of Issue: 06/25/2007
Date printed: 06/26/2007

OTHER PROPERTIES

Boiling point	105 °C 221 °F
Melting point	No data
Solidification	Forms a gel
pH	10 - 12
Specific gravity (H2O=1)	1.09
Solubility in water	
Solubility in organic solvents	Not available
Evaporation rate (Butyl Acetate=1)	0.26
Partitioning coefficient	Not available
Flash point	>221 °F 105 °C Method: Tag closed cup ASTM D 56
Autoignition temperature	560 °C (1,040 °F)
Upper explosion limits	Not available
Lower explosion limits	Not available
Percent volatiles	75 %(m) +/-
Dynamic viscosity	4.2 mPa.s at 20 °C

10. STABILITY AND REACTIVITY

Stability: This product is stable under normal storage and handling conditions.

Incompatible materials:

Oxidizing agents.
Strong acids.
Strong bases.

Hazardous combustion products:

Irritating fumes.
Oxides of carbon.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

SWALLOWING

Test results

Acute toxicity: LD50 Rats
Result: > 5,000 mg/kg

Component data	NOEL - Rats
----------------	-------------



MATERIAL SAFETY DATA SHEET

ALANAP®-L

Version: 1.3
Date of Issue: 06/25/2007
Date printed: 06/26/2007

1-Naphthylamine Acute toxicity - Swallowing:	Result: > 30 mg/kg/day
---	------------------------

SKIN ABSORPTION

Test results

Acute toxicity: LD50 - Rabbit
Result: > 20,000 mg/kg

INHALATION

Test results

Acute toxicity: LC50 - Rats
Result: > 20 mg/l
Exposure time: 4 h

SKIN CONTACT

Test results

Skin irritation: Species: Rabbit
Result: Slight

EYE CONTACT

Test results

Eye irritation: Species: Rabbit
Result: Moderate

SENSITIZATION

Test results:

Species: - Guinea pigs
Result: sensitizing

MUTAGENICITY

Assessment: Negative

CARCINOGENICITY

Assessment: Negative

CARCINOGENICITY

Component (1-Naphthylamine): IARC Group 3: cannot be classified as carcinogenic to humans.

TOXICITY TO REPRODUCTION/FERTILITY

Assessment: Negative

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY

Acute toxicity fish: - LC50 - Rainbow trout (*Oncorhynchus mykiss*)
Result: 75 mg/l
Exposure time: 96 h

Acute toxicity fish: - LC50 - Bluegill (*Lepomis macrochirus*)
Result: 115 mg/l
Exposure time: 96 h

Acute toxicity to aquatic invertebrates: - EC50 - Water flea (*Daphnia magna*)
Result: 118.5 mg/l
Exposure time: 48 h



MATERIAL SAFETY DATA SHEET

ALANAP®-L

Version: 1.3
Date of Issue: 06/25/2007
Date printed: 06/26/2007

13. DISPOSAL CONSIDERATIONS

General: Dispose of in accordance with appropriate Federal, State, and local regulations., Avoid discharge to sewers and natural waters.

14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
1-Naphthylamine	134-32-7	< 1.00

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

Chemical name	CAS#	Max weight %
1-Naphthylamine	134-32-7	< 1.00

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name	CAS#	New Jersey TS Number
Naptalam-Sodium Salt	132-67-2	
1-Naphthylamine	134-32-7	
Inerts	-	

California Proposition 65

Contains 1-naphthylamine

CHEMICAL INVENTORY

Canada: PCP #16244

United States: All substances in this product are exempt from TSCA as this product is registered under FIFRA (Federal Insecticide Fungicide Rodenticide Act).

16. OTHER INFORMATION



MATERIAL SAFETY DATA SHEET

ALANAP®-L

Version: 1.3
Date of Issue: 06/25/2007
Date printed: 06/26/2007

RECOMMENDED USES AND RESTRICTIONS: NOTE TO END-USERS: This MSDS is being provided to all interested persons in accordance with federal and state right-to-know laws. Precautionary Statements, First Aid Statements and Directions for Use of this product by end-users are contained on the product label and must be followed at all times.

STP	Standard temperature and pressure
W/W	0 (HMIS)
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

Copyright
2007
Chemtura
Corporation

THE OPINIONS EXPRESSED HEREIN ARE THOSE OF QUALIFIED EXPERTS WITHIN CHEMTURA CORPORATION. WE BELIEVE THAT THE INFORMATION CONTAINED HEREIN IS CURRENT AS OF THE DATE OF THIS SAFETY DATA SHEET. SINCE THE USE OF THIS INFORMATION AND OF THESE OPINIONS AND THE CONDITIONS OF USE OF THIS PRODUCT ARE NOT WITHIN THE CONTROL OF CHEMTURA CORPORATION, IT IS THE USER'S OBLIGATION TO DETERMINE THE CONDITIONS OF SAFE USE OF THE PRODUCTS.