



ADVANCED POLYMER, INC.

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DAISIL NSNM-100

DAISIL NSNM-100 is a non-silicone, non-mineral oil, defoamer designed specifically for printing inks and paint formulations. DAISIL NSNM-100 is a highly branched polymer with an extremely low solvency potential. DAISIL NSNM-100 will provide stable, long lasting defoaming characteristics without imperfections such as craters, pinholes or fisheyes that are associated with silicone defoamers. DAISIL NSNM-100 contains zero (no measurable) VOCs.

CHARACTERISTICS

Advantages of using DAISIL NSNM-100:

	DAISIL NSNM-100	SILICONE	NON-SILICONE
CRATERING/ PINHOLING	No	Yes	No
STABILITY	Excellent	Good	Poor
DEFOAMING for INK	Excellent	Good	Fair
DEFOAMING for PAINT	Excellent	Good	Fair

APPLICATION

- Easily dispersed in cold water. Does not require pre-dilution.
- Excellent longevity.
- Can be added directly to paint or printing ink (recommended concentration is 0.5% to 0.75% on a volume basis).

FDA STATUS

Daisil NSNM-100 is acceptable for its intended use as outlined in 21CFR 176.170 (components of paper and paperboard in contact with aqueous and fatty foods) under 176.170(a)(4)... “Substances that by regulation in parts 170 through 189 of this chapter may be safely used without extractives limitations as components...” Daisil NSNM-100 is also acceptable for its intended use as outlined in section 21CFR 176.200 and 21CFR 176.210.

TYPICAL PROPERTIES

Appearance:	Light yellow fluid
Ionic Nature:	Nonionic
Solid Content:	100%
pH:	Neutral
Specific Gravity (@ 25°C):	0.83
Volatile Organic Content:	0%

Advanced Polymer, Inc.
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 Carlstadt, NJ 07072
 Phone: (201) 933-0600
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HANDLING

Daisil NSNM-100 should be thoroughly agitated prior to use.

PACKAGING

Daisil NSNM-100 is available in 8 oz. samples and 375-lb drums.

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I want to know more!

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Revised May 11, 2010

DAISIL NSNM-100

Section I Product Identity

Product Name	DAISIL NSNM-100
Chemical Name/Family	Aliphatic Hydrocarbon
CAS Registry	Mixture
24 Hour Emergency Number	800-424-9300
24 Hour Chemtrec Number	800-424-9300
All ingredients are listed in EPA's TSCA list of chemical substances	

Section II Hazardous Components/Composition Information

CHEMICAL :	CAS #:	USOS:	TWA:	STEL:	PERCENT:
Aliphatic hydrocarbon polymer blend	9002-88-4, 9003-29-6				
N,N-Ethylene di(stearamide)	110-30-5				
Fatty acid ethoxylates	9004-96-0				

Section III Physical and Chemical Properties

Boiling Point	>212°F (100°C)
Specific Gravity (H ₂ O=1)	0.83
Vapor Pressure	ND
Vapor Density (Air=1)	ND
Percent Volatile By Weight	70
Evaporation Rate (BuAc=1)	ND
Solubility in Water	Partially dispersible in water
Appearance and Odor	Light yellow fluid. Odorless.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	238°C (460.4°F)
Flammable Limits in Air (% By Volume)	NA
Extinguishing Media	Water Spray, Foam, Dry Chemical, CO ₂
Special Fire Fighting Procedures:	Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment.
Unusual Fire and Explosion Hazard	Heating above 200°C in a fire situation may cause toxic decomposition.

Section V Reactivity Data

Stability	Stable
Conditions to Avoid	Naked flames, other sources of ignition (e.g. sparks)
Incompatibilities	Strong oxidizing agents
Hazardous Decomposition or By Products	Carbon and nitrogen oxides may be released on thermal decomposition
Hazardous Polymerization	May Not Occur

Section VI Health hazard Data

Primary Routes of Entry	Inhalation: YES	Dermal: YES	Ingestion: YES
Acute Health hazard	No information available		
Chronic Health Hazard	No information available		
Carcinogenicity			
NTP: No	IARC Monograph: No	OSHA Regulated: No	

Signs and Symptoms of Exposure:

Skin Contact	May cause irritation.
Eye Contact	May cause irritation.
Ingestion	Although ingestion is unlikely, liquid would irritate upper digestive tract if swallowed.
Inhalation	Exposure to high vapor concentrations may cause eye and respiratory tract irritation, headache, dizziness, nausea, lack of coordination, drowsiness and loss of consciousness.

Medical Condition Generally Aggravated by Exposure

None known

Emergency First Aid Procedures

Eyes	Immediately flush eyes with plenty of water. Seek medical attention.
Skin	Immediately wash skin with soap and water. Wash contaminated clothing before reuse. If irritation persists, seek medical attention.
Ingestion	Wash out mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.
Inhalation	Immediately remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Please note: Symptoms may be delayed; prompt medical attention may be required. Call a physician.

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case the Material is Released or Spilled:

Soak up with sawdust, sand, oil dry or other absorbent material. Prevent product from entering drains or being released into the environment.

Waste Disposal Method:

Dispose of in accordance with EPA, State and Local regulations.

Section VIII Special Precautions

Precautions to be Taken in Handling and Storage:

Store in a well-ventilated place at temperatures below 120°F. Keep container tightly closed. Keep from freezing.

Section IX Control Measures

Respiratory Protection		
Ventilation	Local exhaust	Recommended
	Mechanical	Adequate ventilation system.
	Special	
	Other	
Eye Protection	Safety glasses, goggles and/or face shield should be worn	
Protective Gloves	Rubber or plastic gloves should be worn	
Protective Clothing	Rubber apron	
Other Protective Equipment	NIOSH approved respirator as needed. Eye wash station.	
Other Precautions	Wash hands after use.	

Section X SARA Title III

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of SECTION 331 of the EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 and of 40 CFR 371

CAS #	Chemical Name	Percent by Weight

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS'S THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL

Section XI Transportation Information

SHIPPING INFORMATION

DAISIL NSNM-100 is considered non-hazardous and is not regulated by DOT.

Hazard Ratings

Health	0
Flammability	0
Reactivity	0

Date Prepared April 17, 2005
 Prepared By API
 Date Revised May 11, 2010
 Revised By API

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