

SAFETY DATA SHEET

SECTION 1 - Chemical Product and Company Information

Product Name: AEROSOL NH SATIN 25 Product Code: ANH25

Manufactured by: Gemini Coatings 2300 Holloway Drive El Reno, OK 73036 800-262-5710

24- Hour Emergency (Spill, Leak, Exposure or Accident): INFOTRAC 800-535-5053 Outside USA, Call Collect 1-352-323-3500

24- Hour Emergency HAZMAT Response and MSDS Help: EMI 800-510-8510

Product Use: A protective and/or decorative finish or accompanying product (reference label or product data sheet for more information).

Not recommended for: Any other use not detailed on product data sheet or label.

SECTION 2 - Hazards Identification

GHS Ratings:

Flammable aerosol	1	Flammable aerosol class 1
Gas under pressure	Compressed g	Entirely gaseous at -50°C
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	1A	Based on human evidence
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm2/s at 40° C.

GHS Hazards

H222	Extremely flammable material
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and
	enters airways
H315	Causes skin irritation
H318	Causes serious eye damage
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child

GHS Precautions

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
P211	Do not spray on an open flame or other
	igntion source
P251	Pressurized container – Do not pierce
	or burn, even after use
P264	Wash any exposed skin thoroughly
	after handling
P280	Wear protective gloves/protective
	clothing/eye protection/face protection
P281	Use personal protective equipment as
	required
P310	Immediately call a POISON CENTER
	or doctor/physician
P321	Specific treatment (see First Aid
	section on this label)

P331 P362	Do NOT induce vomiting Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P305+P351+P33 8	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P405	Store locked up
P410+P403	Protect from sunlight. Store in a well ventilated place
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501	Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations.

Signal Word: Danger



SECTION 3 - Composition/Information on Ingredients			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Propane 74-98-6 10% - 20%	1000 ppm TWA; 1800 mg/m3 TWA	See Appendix F: Minimal Oxygen Content, explosion hazard	NIOSH: 1000 ppm TWA; 1800 mg/m3 TWA
ISOBUTYL ACETATE 110-19-0 10% - 20%	150 ppm TWA; 700 mg/m3 TWA	150 ppm STEL (listed under Butyl acetates, all isomers) 50 ppm TWA (listed under Butyl acetates, all isomers)	NIOSH: 150 ppm TWA; 700 mg/m3 TWA
Ethyl alcohol 64-17-5 10% - 20%	1000 ppm TWA; 1900 mg/m3 TWA	1000 ppm STEL	NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA
TOLUENE 108-88-3 10% - 20%	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
Acetone 67-64-1 10% - 20%	1000 ppm TWA; 2400 mg/m3 TWA	500 ppm STEL 250 ppm TWA	NIOSH: 250 ppm TWA; 590 mg/m3 TWA
Butane 106-97-8 5% - 10%		1000 ppm STEL (explosion hazard, listed under Butane, isomers)	NIOSH: 800 ppm TWA; 1900 mg/m3 TWA
Nitrocellulose 9004-70-0 1% - 5%			

n-Butyl acetate 123-86-4 1% - 5%	150 ppm TWA; 710 mg/m3 TWA	150 ppm STEL (listed under Butyl acetates, all isomers) 50 ppm TWA (listed under Butyl acetates, all isomers)	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
1-Butanol 71-36-3 1% - 5%	100 ppm TWA; 300 mg/m3 TWA	20 ppm TWA	NIOSH: 50 ppm Ceiling; 150 mg/m3 Ceiling
2-BUTOXYETHANOL 111-76-2 1% - 5%	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA
Isopropyl alcohol 67-63-0 1% - 5%	400 ppm TWA; 980 mg/m3 TWA	400 ppm STEL 200 ppm TWA	NIOSH: 400 ppm TWA; 980 mg/m3 TWA 500 ppm STEL; 1225 mg/m3 STEL
DOA PLASTICIZER 103-23-1 1% - 5%			
MINERAL SPIRITS 8052-41-3 0.1% - 1.0%	500 ppm TWA; 2900 mg/m3 TWA	100 ppm TWA	NIOSH: 350 mg/m3 TWA 1800 mg/m3 Ceiling (15 min)

SECTION 4 - First Aid Measures

Inhalation:

Remove exposed individual to fresh air and assist breathing if necessary. Seek medical attention.

Eye Contact:

Flush eyes with lukewarm water for 15 minutes. Seek medical attention immediately.

Skin:

Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists. **Ingestion:**

Rinse mouth out immediately. Drink 1 or 2 glasses of water to dilute. <u>DO NOT</u> induce vomiting. Contact physician or poison control center immediately.

SECTION 5 - Fire Fighting Measures

Alcohol Foam, CO2, Dry Chemical

Do not puncture or incinerate container. Exposure to heat or prolonged exposure to sun may cause container to burst. Do not expose to heat or store at temperatures above 120 degrees F. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, sparks, heaters, smoking, electrical motors or static discharge distant from handling pot.

Burning may produce oxides of nitrogen and carbon.

Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots and a positive pressure NIOSH-approved self-contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool closed containers to prevent pressure buildup and possible auto ignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

SECTION 6 - Accidental Release Measures

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain discharge if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewer or waterways.

If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

SECTION 7- Handling and Storage

Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazardous precautions given in thes sheet must be observed.

Storage:

Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas.

SECTION 8 - Exposure Controls/Personal Protection			
Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Propane 74-98-6	1000 ppm TWA; 1800 mg/m3 TWA	See Appendix F: Minimal Oxygen Content, explosion hazard	NIOSH: 1000 ppm TWA; 1800 mg/m3 TWA
ISOBUTYL ACETATE 110-19-0			NIOSH: 150 ppm TWA; 700 mg/m3 TWA
Ethyl alcohol 64-17-5	1000 ppm TWA; 1900 mg/m3 TWA	1000 ppm STEL	NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA
TOLUENE 108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL
Acetone 67-64-1	1000 ppm TWA; 2400 mg/m3 TWA	500 ppm STEL 250 ppm TWA	NIOSH: 250 ppm TWA; 590 mg/m3 TWA
Butane 106-97-8		1000 ppm STEL (explosion hazard, listed under Butane, isomers)	NIOSH: 800 ppm TWA; 1900 mg/m3 TWA
Nitrocellulose 9004-70-0			
n-Butyl acetate 123-86-4	150 ppm TWA; 710 mg/m3 TWA	150 ppm STEL (listed under Butyl acetates, all isomers) 50 ppm TWA (listed under Butyl acetates, all isomers)	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
1-Butanol 71-36-3	100 ppm TWA; 300 mg/m3 TWA	20 ppm TWA	NIOSH: 50 ppm Ceiling; 150 mg/m3 Ceiling
2-BUTOXYETHANOL 111-76-2	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	NIOSH: 5 ppm TWA; 24 mg/m3 TWA
Isopropyl alcohol 67-63-0	400 ppm TWA; 980 mg/m3 TWA	400 ppm STEL 200 ppm TWA	NIOSH: 400 ppm TWA; 980 mg/m3 TWA 500 ppm STEL; 1225 mg/m3 STEL
DOA PLASTICIZER 103-23-1			
MINERAL SPIRITS 8052-41-3	500 ppm TWA; 2900 mg/m3 TWA	100 ppm TWA	NIOSH: 350 mg/m3 TWA 1800 mg/m3 Ceiling (15 min)

Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors.

Respiratory Protection:

If exposure exceeds TLV or PELs, use NIOSH approved respirator to prevent overexposure.

Skin Protection:

Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile. An apron should be worn to avoid skin contact.

Eye Protection:

Wear splash proof googles and face shield if there is a likelihood of contact with eyes.

Hygenic Practices

Wash hands thoroughly before eating or using the restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

SECTION 9 - Physical and Chemical Properties		
Vapor Density Heavier Than Air	Evaporation Rate Faster than Butyl Acetate	
Boiling range: 34 - 214°C	Melting point: N/A	
Freezing point: N/A	Flash point: -139°F,-95°C	
Flammability: N/A	Explosive Limits: N/A	
Autoignition temperature: 170°C	Decomposition temperature: N/A	
Relative Density: N/A	Vapor Pressure N/A	
Odor threshold: N/A	pH: N/A	
SPECIFIC GRAVITY 0.7474	Solubility: N/A	
Partition coefficient (n- N/A octanol/water):	Viscosity: N/A	
Grams VOC less water: N/A	% VOLUME VOLATILE (VOC) 86.3879	
% WT. VOLATILE (VOC) 83.0338	% Pig. by wt. 0.3007	
Lbs VOC/Gallon Solids 150.2139	VOLATILE WT% 93.8811	
SOLIDS VOL% 3.4401	DENSITY (Lb/Gal) 6.2233	
SPREAD @ 1 MIL 55.1789	HAPS (Ibs/gl) 0.8195	
Appearance Sprayed Liquid Aerosol	Odor N/A	
Physical State Liquid Aerosol	Material VOC (g/l) 619.2191	
Coating VOC (g/l) 689.3385	Material VOC (Lb/GI) 5.1675	
Coating VOC (Lb/GI) 5.7526		

SECTION 10 - Stability and Reactivity

Stability: Stable under normal conditions.

Materials to Avoid: Strong oxidizing agents, strong alkalines, strong mineral acids.

Conditions to avoid: high heat, sparks, flames, static discharge.

Hazardous Decomposition: Oxidation may produce carbon and nitrogen oxides. Hazardous polymerization will not occur.

SECTION 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LDS	
Component Toxicit	у
108-88-3	TOLUENE Oral LD50: 2,600 mg/kg (Rat) Inhalation LC50: 13 mg/L (Rat)
123-86-4	n-Butyl acetate Inhalation LC50: 390 ppm (Rat)
71-36-3	1-Butanol

	Oral LD50: 700 mg/kg (Rat) Dermal LD50: 3,402 mg/kg (Rabbit)
111-76-2	2-BUTOXYETHANOL
	Oral LD50: 470 mg/kg (Rat) Dermal LD50: 435 mg/kg (Rabbit) Inhalation LC50: 486 ppm
67-63-0	Isopropyl alcohol
	Oral LD50: 1,870 mg/kg (Rat) Dermal LD50: 4,059 mg/kg (Rabbit)

Primary Routes of Entry: Inhalation, Skin Contact, Eyes, Ingestion

Skin:

Skin contact can cause redness, dryness or rash. Prolonged contact can cause irritation, dry skin, cracks, and dermititis.

Ingestion:

Can cause vomiting, nausea, diarrhea, and gastrointestinal irritation.

Inhalation:

Excessive inhalation of vapors can cause nasal and repiratory irritation, dizziness, weakness, fatigue, nausea, headache possible unconsciousness and even asphyxiation. High vapor concentrations or porlonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Eyes:

Can cause irritation, redness, tearing and blurred vision.

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing).

<u>CAŠ Number</u> 106-97-8	<u>Description</u> Butane	<u>% Weight</u> 5% - 10%	Carcinogen Rating Butane: EU REACH: Present (C) (containing >=0.1% Butadiene)
64-17-5	Ethyl alcohol	10% - 20%	Ethyl alcohol: IARC: Human carcinogen OSHA: listed
8052-41-3	MINERAL SPIRITS	0.1% - 1.0%	MINERAL SPIRITS: EU REACH: Present (P)

SECTION 12 - Ecological Information

Ecological Information:

Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.

Component Ecotoxicity ISOBUTYL ACETATE	LC50 96 h Oryzias latipes 17 mg/L (ECHA)
Ethyl alcohol	LC50 96 h Oncorhynchus mykiss 12.0 - 16.0 mL/L [static] (EPA); LC50 96 h Pimephales promelas >100 mg/L [static] (EPA); LC50 96 h Pimephales promelas 13400 - 15100 mg/L [flow-through] (EPA) LC50 48 h Daphnia magna 9268 - 14221 mg/L (IUCLID); EC50 48 h Daphnia magna 2 mg/L [Static] (EPA)
TOLUENE	LC50 96 h Pimephales promelas 15.22 - 19.05 mg/L [flow-through] (1 day old, EPA); LC50 96 h Pimephales promelas 12.6 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 5.89 - 7.81 mg/L [flow-through] (EPA); LC50 96 h Oncorhynchus mykiss 14.1 - 17.16 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 5.8 mg/L [semi-static] (EPA); LC50 96 h Lepomis macrochirus 11.0 - 15.0 mg/L [static] (EPA); LC50 96 h Oryzias latipes 54 mg/L [static] (EPA); LC50 96 h Poecilia reticulata 28.2 mg/L [semi-static] (EPA); LC50 96 h Poecilia reticulata 50.87 - 70.34 mg/L [static] (EPA) EC50 48 h Daphnia magna 5.46 - 9.83 mg/L [Static] (EPA); EC50 48 h Daphnia magna 11.5 mg/L (IUCLID) EC50 96 h Pseudokirchneriella subcapitata >433 mg/L (IUCLID); EC50 72 h Pseudokirchneriella subcapitata 12.5 mg/L [static] (EPA)

Acetone	LC50 96 h Oncorhynchus mykiss 4.74 - 6.33 mL/L (EPA); LC50 96 h Pimephales promelas 6210 - 8120 mg/L [static] (IUCLID); LC50 96 h Lepomis macrochirus 8300 mg/L (EPA) EC50 48 h Daphnia magna 10294 - 17704 mg/L [Static] (EPA); EC50 48 h Daphnia magna 12600 - 12700 mg/L (IUCLID)		
n-Butyl acetate	LC50 96 h Lepomis macrochirus 100 mg/L [static] (EPA); LC50 96 h Pimephales promelas 17 - 19 mg/L [flow-through] (EPA) EC50 72 h Desmodesmus subspicatus 674.7 mg/L (IUCLID)		
1-Butanol	LC50 96 h Pimephales promelas 1730 - 1910 mg/L [static] (IUCLID); LC50 96 h Pimephales promelas 1740 mg/L [flow-through] (IUCLID); LC50 96 h Lepomis macrochirus 100000 - 500000 µg/L [static] (EPA); LC50 96 h Pimephales promelas 1910000 µg/L [static] (EPA) EC50 48 h Daphnia magna 1983 mg/L (IUCLID); EC50 48 h Daphnia magna 1897 - 2072 mg/L [Static] (EPA) EC50 96 h Desmodesmus subspicatus >500 mg/L (IUCLID); EC50 72 h Desmodesmus subspicatus >500 mg/L (IUCLID)		
2-BUTOXYETHANOL	LC50 96 h Lepomis macrochirus 1490 mg/L [static] (EPA); LC50 96 h Lepomis macrochirus 2950 mg/L (IUCLID) EC50 48 h Daphnia magna >1000 mg/L (EPA)		
Isopropyl alcohol	LC50 96 h Pimephales promelas 9640 mg/L [flow-through] (IUCLID); LC50 96 h Pimephales promelas 11130 mg/L [static] (IUCLID); LC50 96 h Lepomis macrochirus >1400000 μg/L (EPA) EC50 48 h Daphnia magna 13299 mg/L (IUCLID) EC50 96 h Desmodesmus subspicatus >1000 mg/L (IUCLID); EC50 72 h Desmodesmus subspicatus >1000 mg/L (IUCLID)		
DOA PLASTICIZER	LC50 96 h Lepomis macrochirus 0.48 - 0.85 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss 0.48 - 0.85 mg/L [static] (EPA); LC50 96 h Pimephales promelas 0.48 - 0.85 mg/L [static] (EPA) EC50 48 h Daphnia magna >1.6 mg/L (IUCLID) EC50 72 h Desmodesmus subspicatus >500 mg/L (IUCLID)		

SECTION 13 - Disposal Considerations

Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state and federal regulations. See Section 8 for information on exposure control and necessary personal protective equipment.

SECTION 14 - Transportation Information						
Ship according to the Department of Transportation (DOT) 49 CFR regulations.						
<u>Agency</u> DOT	Proper Shipping Name AEROSOLS, FLAMMABLE Freight Class:	<u>UN Number</u> UN1950	Packing Group	<u>Hazard Class</u> 2.1		
SECTION 15 - Regulatory Information						

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):

This product contains the follosing listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

108-88-3 TOLUENE 64-17-5 Ethyl alcohol

The following ingredients are listed in the TSCA Section 8(b) Inventory (Hydrated forms of chemical substances are exempt from the inventory as mixtures; the anhydrous chemical substances, however, are reportable for the Inventory):

8052-41-3 MINERAL SPIRITS 103-23-1 DOA PLASTICIZER 67-63-0 Isopropyl alcohol 111-76-2 2-BUTOXYETHANOL 71-36-3 1-Butanol 123-86-4 n-Butyl acetate 9004-70-0 Nitrocellulose 106-97-8 Butane 67-64-1 Acetone 108-88-3 TOLUENE 64-17-5 Ethyl alcohol 110-19-0 ISOBUTYL ACETATE 74-98-6 Propane

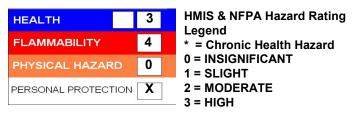
US CAA Section 112 Hazardous Air Pollutants (HAPs) List

108-88-3 TOLUENE

US EPCRA (SARA Title III) Section 313 - Toxic Chemical:

67-63-0 Isopropyl alcohol 71-36-3 1-Butanol 108-88-3 TOLUENE

Hazardous Material Information System (HMIS)



SECTION 16 - Disclaimer

Date Prepared: 10/29/2021

Reviewer Revision THIS DOCUMENT SUPERSEDES ANY PROVISION CONTAINED IN THE FORMS, LETTERS, AND PAPERS OF YOUR COMPANY. THIS PRODUCT IS DESIGNED AND INTENDED FOR PROFESSIONAL APPLICATION ONLY. ALL PRODUCTS SHOULD BE THOROUGHLY TESTED UNDER APPLICATION CONDITIONS PRIOR TO USE. THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE RELIABLE.HOWEVER, GEMINI MAKES NO WARRANTY CONCERNING THIS PRODUCT, WHETHER EXPRESS OR IMPLIED. INCLUDING THE WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. UNDER NO CIRCUMSTANCES SHALL GEMINI BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR ANY OTHER DAMAGES FROM ALLEGED NEGLIGENCE, BREACH OR WARRANTY, STRICT LIABILITY, OR ANY OTHER LEGAL THEORY, ARISING OUT OF THE USE OR HANDLING OF THIS PRODUCT. THE SOLE REMEDY OF THE BUYER AND THE SOLELIABILITY OF GEMINI FOR ANY CLAIMS SHALL BE LIMITED TO THE BUYER'S PURCHASE PRICE OF THE PRODUCT WHICH IS THE SUBJECT OF THE CLAIM OR THE AMOUNT ACTUALLY PAID FOR SUCH PRODUCT, WHICHEVER IS LESS.TECHNICAL ADVICE FURNISHED BY GEMINI SHALL NOT CONSTITUTE AN EXPRESS WARRANTY, WHICH IS EXPRESSLY DISCLAIMED. ALL TECHNICAL ADVICE GIVEN IS ACCEPTED AT THE RISK OF THE BUYER.