

Safety Data Sheet (SDS)

NANOSKIN SEAL NANO Perfect Sealant



1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : NANOSKIN SEAL NANO Perfect Sealant
Product identifier : NA-SLO
Product Family : Aqueous mixture

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

Identified Uses : Automotive body detailing

1.3 Details of the supplier of the safety data sheet

Company : NANOSKIN Car Care Products Total
Import Solutions, Inc.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910(OSHA HCS)

H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS

H316 CAUSES MILD SKIN IRRITATION

H351 SUSPECTED OF CAUSING CANCER

H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

Precautionary Statements

P102: Keep out of reach of children.

P202 Do not handle until all safety precautions have been read and understood.

P273: Avoid release to the environment.

P301 IF SWALLOWED: FOLLOW INSTRUCTIONS IN FIRST AID.

P302: IF ON SKIN: FOLLOW INSTRUCTIONS IN FIRST AID.

P353: Rinse skin with water/shower.

P374: Fight fire with normal precautions from a reasonable distance.

P412: Do not expose to temperatures exceeding 50 °C/122 °F.

2.2 GHS Label elements, including precautionary statements

Pictogram



3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS number	Warnings	Concentration
Aliphatic naptha	64742-88-7	Skin irritant, environmental toxin	8-15%
CERAMIC	66402-68-4		8-15%
Polydimethylsiloxane	63148-62-9		2-10%
TRIETHANOLAMINE	102-71-6		.1-1%
ISOPROPYL ALCOHOL	6763-0		.5-3%
OLEIC ACID	112-80-1		>2%
Glycerin	56-81-5		5-15%

4. FIRST AID MEASURES

First aid procedures

After inhalation:

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious. If victim is conscious, rinse mouth with water and contact emergency number listed in section 1.4.

After contact with skin:

Immediately wash skin with soap and water. May cause irritation. Seek medical attention if irritation or allergic reaction is present.

After contact with eyes:

Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs. Avoid agitation. Abrasives present in substance may scratch eyes. Remove contact lenses if able.

After ingestion:

Rinse mouth with water, contact poison control center or emergency number listed in section 1.4.

Advice to doctor / Treatment:

None known.

5. FIRE FIGHTING MEASURES

Flashpoint: Unknown, aqueous mixture.

Lower explosion limit: Not applicable

Upper explosion limit: Not applicable

Self ignition: Not applicable

Ignition temperature: not tested.

Hazardous combustion products: carbon oxides, copper oxides, tin oxides, zinc oxides, aluminum oxides

Extinguishing media: water spray jet alcohol-resistant foam carbon dioxide dry powder

Special fire fighting procedure:

Apply alcohol-type or all purpose-type foams by manufacturers' recommended techniques for large fires or water spray. Use carbon dioxide or dry chemical media for small fires. Use self-contained breathing apparatus and protective equipment. Cool endangered containers with water jet.

Unusual fire and explosion

hazards:

May emit toxic fumes under fire conditions. Product can potentially float on water..

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use the Personal protective Equipment recommended in Section 8 of this SDS

Environmental Precautions

Spilled product may present a slipping hazard.

Methods for Containments and Clean-up

Contain large spills as best as possible. Dam flow with appropriate materials and absorb centralized spillage with inert material such as vermiculite, cat litter or diatomaceous earth. Sweep and dispose of as needed. For small spills, wipe away and wash affected area.

7. HANDLING AND STORAGE

Handling

Avoid allowing dried product to become airborne, as particles may irritate lungs. Wear gloves while in use, protect hands, face and skin from debris, particles and skin contact as best as possible. Abrasives present may irritate skin.

Storage

Store with caution. Do not store in temperatures above 120F. Bottle/container may swell and or fumes accumulate. Store in adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guideline Comments

Exposure Limits:

SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC 64742-89-8

OSHA Z1	time weighted average	500 ppm
ACGIH	time weighted average	300 ppm
ACGIH	time weighted average	1,370 mg/m3

Engineering Controls

Adequate ventilation necessary.

Personal Protective Equipment (PPE)

Eye/Face Protection

and a niosh

If mechanically buffing solution, please wear appropriate face/eye protection approved respirator.

Skin Protection

Wear gloves while in use.

Respiratory Protection

Niosh approved respirator for airborne particles if adequate ventilation not present.

General Hygiene Considerations

Treat products as sum of its components. Oxides and particulate matter may irritate lungs. Wash hands before and after use and before smoking eating or drinking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State

liquid

Appearance

viscous blue fluid

Particle Size	liquid and particle mixture. Particles may range from 50-400nm
Odor	Fruity
Odor Threshold	No Available Data
Molecular Formula	Mixture
Molecular Weight	Mixture
Boiling Point	200F
Decomposition Temperature	No Available Data
Melting point	32F
Freezing Point	32F
Relative Density	1g/cm ³
Bulk Density	No Available Data
Solubility in Water	100%
Solubility in other liquids	No Available Data
pH	6-8
Flash point	No Available Data

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Avoid extreme temperatures.
Hazardous Decomposition Products	Carbon Oxides, copper oxides, tin oxides, zinc oxides and aluminum oxides.
Possibility of Hazardous Reactions	Do not bring into contact with oxidizers.

11. TOXICOLOGICAL INFORMATION

Powdered oxides pose hazards as lung irritants if airborne.

Aliphatic Naptha:

Effects, Acute Exposure

Skin Contact	little immediate effect; may be mildly irritating; <i>of 14 reported tests on rabbits, 7 rated this type of hydrocarbon "not irritating", 6 "irritating", with one inconclusive¹</i>
Skin Absorption	slight; no toxic effects by this route
Eye Contact	liquid slightly irritating; <i>11 reported tests on rabbits all rated this type of hydrocarbon as "not irritating"¹</i> , some reports suggest that vapour irritating above 150ppm
Inhalation	400ppm+ may cause burning sensation in nose & throat, intoxication dizziness, fatigue
Ingestion	may cause diarrhoea & stomach discomfort – not a route of industrial exposure
LD ₅₀ (oral)	5500-34,600mg/kg (rat)
LD ₅₀ (skin)	2000-15,400mg/kg (rabbit)
LC ₅₀ (inhalation)	3400-8000ppm (rat)

Triethanolamine:

Acute toxicity

LD50 Oral - Mouse - 5,846 mg/kg

Remarks: Behavioral: Convulsions or effect on seizure threshold. Diarrhoea Kidney, Ureter, Bladder: Other changes.

LD50 Oral - Rat - 5,530 mg/kg

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Eye: Lacrimation. Diarrhoea Skin and Appendages: Other: Hair.

LD50 Oral - Rabbit - 2,200 mg/kg

LD50 Oral - Guinea pig - 2,200 mg/kg

Inhalation: No data available

LD50 Dermal - Rabbit - > 22.5 g/kg

Isopropyl Alcohol:

Acute toxicity

LD50 Oral - Rat - 5,045 mg/kg

Remarks: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Somnolence (general depressed activity).

LC50 Inhalation - Rat - 8 h - 16000 ppm

LD50 Dermal - Rabbit - 12,800 mg/kg

No data available

Skin corrosion/irritation

Skin - Rabbit

Result: Mild skin irritation

Skin Irritation/Corrosion

Naptha is a known skin irritant under certain repeated prolonged exposure.

Eye Irritation/Corrosion

Particulate matter may cause eye irritation. Aliphatic Naptha, oleic acid and triethanolamine are eye irritants.

Exercise caution.

Effects of Short-Term (Acute) Exposure

No data available.

Inhalation

No data available.

Ingestion

No data available.

12. ECOLOGICAL TOXICITY

General Comments

No known components of this formula that are potentially environmentally hazardous are known bio accumulators or otherwise no data available enough to determine appropriate designation.

ISOPROPYL ALCOHOL

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h

Immobilization EC50 - Daphnia magna (Water flea) - 6,851 mg/l - 24 h

Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h

EC50 - Algae - > 1,000.00 mg/l - 24 h

ALIPHATIC NAPHTHA

Bioaccumulation this product is not a bioaccumulator

Biodegradation biodegrades slowly in the presence of oxygen (rate unknown); much faster in acclimated (polluted) water than pristine water (*should be under 30 days in sewage treatment facility*)

Abiotic Degradation reacts with atmospheric hydroxyl radicals; estimated 1/2-life in air less than one day

Mobility in soil, water water insoluble; low soil mobility; adsorbs to soil helping it remain stationary

Aquatic Toxicity

LC₅₀ (Fish, 96hr) 45mg/litre *emulsified*, 18-20mg/litre – *water soluble* (Pimephelas promelas) **NOTE:** Mineral spirits is essentially water insoluble. The above tests recognize this. The 1st test emulsified the product, the 2nd equilibrated it with water, then tested.

LC₅₀ (Crustacea, 48hr) 1.4, 1.9, 3-10, 21 & 40-89mg/litre (Daphnia magna)¹

LC₅₀ (Algae, 72hr) 1-3, 4.3, 5.0, 8.3 & 10-30mg/litre (Pseudokirchnerella subcapitata)¹

LC₅₀ (Bacteria) 678mg/litre (Tetrahymena pyriformis – computer estimate)¹

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, provincial and local government regulations. Containers should NOT be re-used. Containers should be disposed of in accordance with government guidelines.

14. TRANSPORT INFORMATION

Shipping Information

Product is not UN rated. Product is not flammable or known to have any restrictions in transport. Ensure, before use, that product is not restricted by any local, state or federal environmental restrictions not otherwise stated.

Special Shipping Information

Not applicable.

HMIS RATING

HEALTH	1
FIRE	1
REACTIVITY	0

15. REGULATORY INFORMATION

United States

SARA 311/312 Hazards Chronic Health Hazard

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
Oleic acid	112-80-1	1989-08-11

New Jersey Right To Know Components

	CAS-No.	Revision Date
Oleic acid	112-80-1	1989-08-11

Massachusetts Right To Know Components

	CAS-No.	Revision Date
2,2',2"-Nitrilotriethanol	102-71-6	1993-04-24

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
2,2',2"-Nitrilotriethanol	102-71-6	1993-04-24

New Jersey Right To Know Components

2,2',2"-Nitrilotriethanol	102-71-6	1993-04-24
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16. OTHER INFORMATION

SDS Prepared by

Disclaimer

Total Import Solutions, Inc. dba NANOSKIN Car Care Products

This health and safety information is correct to the best of our knowledge and belief at the date of its publication, but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, to maintain revised copies of this information to be requested. When applicable, revised copies shall be sent to customers whom have been directly supplied with this substance. It must be known that it is the

responsibility of any intermediate supplier to ensure that such revision is passed to the user. The information given in the Data Sheet is designed only as guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this sheet.