

# Safety Data Sheet (SDS)

## NANOSKIN HYDROPHOBIC Nano Carnauba Wax



### 1. PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifiers

Product name : NANOSKIN HYDROPHOBIC  
Product identifier : NA-HYD  
Product Family : Wax solvent emulsion

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

Identified Uses : Car paint and exterior care.

#### 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)

H226: Flammable liquid and vapor.

H315: Causes skin irritation.

H304: May be fatal if swallowed and enters airways.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H340: May cause genetic defects.

H350: May cause cancer.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects

Precautionary Statements

#### **Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

P233 Keep container tightly closed.

P242 Use only non-sparking tools.

P260 Do not breathe 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.

P273 Avoid release to the environment.

P280 Wear protective gloves/ eye protection/ face protection.

**Response:** P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously 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. P331 Do NOT induce vomiting.  
 P331 Do NOT induce vomiting.  
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
 P337+P313: If eye irritation persists: Get medical advice/attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 P363: Wash contaminated clothing before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**  
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.  
 P501 Dispose of contents/ container to an approved waste disposal plant.

## 2.2 GHS Label elements, including precautionary statements

Pictogram



## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS number	Warnings	Concentration
LIGHT DISTILLATES	64742-14-9		10-20%
PETROLEUM DISTILLATES	64742-82-1		30-50
CONDITIONERS	Proprietary		<5%
CALCINATED CLAY	66402-68-4		1-5%
STODDARD SOLVENT	8052-41-3		>1%
CARNAUBA WAX	8015-86-9		30-50%

#### 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. Remove contact lenses if able.

###### After ingestion:

Rinse mouth with water, contact poison control center or emergency number listed in section 1.4. Never give anything by mouth to an unconscious person.

###### Advice to doctor / Treatment:

None known.

#### 5. FIRE FIGHTING MEASURES

##### FIRE HAZARD

Fire hazard : DIRECT FIRE HAZARD. Highly flammable. Gas/vapour flammable with air within explosion limits.

##### INDIRECT FIRE HAZARD

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard. Reactions involving a fire hazard: see "Reactivity Hazard".

##### EXPLOSION HAZARD EXPLOSION

may be  
Hazard".

Gas/vapour explosive with air within explosion limits. INDIRECT HAZARD. Heat may cause pressure rise in tanks/drums: explosion risk. Ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard".

##### REACTIVITY

Upon combustion: CO and CO<sub>2</sub> are formed. Violent to explosive reaction with many compounds. Prolonged storage: on exposure to light: release of harmful gases/vapours. Reacts violently with (strong) oxidizers: peroxidation resulting in increased fire or explosion risk.

##### FIREFIGHTING INSTRUCTIONS

Cool tanks/drums with water spray/remove them into safety. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistent risk of physical explosion.

##### PROTECTION DURING FIREFIGHTING

Heat/fire exposure: compressed air/oxygen apparatus.

#### 6. ACCIDENTAL RELEASE MEASURES

##### PROTECTIVE EQUIPMENT

Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus.

##### EMERGENCY PROCEDURES

Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.

##### FOR EMERGENCY RESPONDERS

##### PROTECTIVE EQUIPMENT

Equip cleanup crew with proper protection.

##### EMERGENCY PROCEDURES

Ventilate area.

SEE SECTION 8 FOR PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

#### 7. HANDLING AND STORAGE

##### HANDLING

Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Handle uncleaned empty

containers as full ones. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Do not use compressed air for pumping over. Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Avoid prolonged and repeated contact with skin. Keep container tightly closed. Measure the concentration in the air regularly. Work under local exhaust/ventilation.

**STORAGE** Store with caution. Do not store in temperatures above 80F. Bottle/container may swell and or fumes accumulate. Store in adequate ventilation.

**HYGEINE** Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guideline Comments		Exposure Limits:				
COMPONENT	CAS NUMBER	VALUE	CONTROL PARAMETERS	BASIS		
TOLUENE	108-88-3	TWA	100 ppm 375 mg/m3	USA. OSHA TABLE Z-1		
		STEL	150 ppm 560 mg/m3			
		TWA	200PPM	TABLE Z-2		
		CEIL	300 ppm			
		Peak	500 ppm			
				TWA	20 ppm	USA. ACGIH (TLV)
				REMARKS	Visual impairment Female reproductive Pregnancy loss	
		TWA	100 ppm 375 mg/m3	USA. NIOSH		
		ST	150 ppm 560 mg/m3			
n-hexane		TGG	72 mg/m3 NL OEL TGG 15 144 mg/m3	ACGIH TWA 50 ppm		
Benzene		ACGIH SKIN_DES	Can be absorbed through the skin			
Xylene		End of shift.	25 µg/g ACGIH BEL (01 2010)			
		Methylhippuric acids in Creatinine in urine	Sampling time: End of shift.			
		1,5 g/g ACGIH BEL (01 2010)				
Oil mist		TWA	5 mg/m3.			

### BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS

COMPONENT	CAS NUMBER	PARAMETER	VALUE	BIOLOGICAL SPECIMEN
Toluene	108-88-3	Toluene	0.0200 mg/l	In blood ACGIH - Biological Exposure Indices (BEI) Remarks Prior to last shift of workweek
		Toluene	0.0300 mg/l	Urine ACGIH - Biological Exposure Indices (BEI) End of shift (As soon as possible after exposure ceases)
		o-Cresol	0.3000 mg/g	Urine ACGIH - Biological Exposure Indices (BEI) End of shift (As soon as possible after exposure ceases)

**ENGINEERING CONTROLS** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

**Materials for protective clothing :** Use butyl rubber of at least .3mm thickness. Avoid nitrile and pvc protection.

**Hand protection** Please use gloves with the above materials recommendation.

**Eye protection** Protective goggles.

**Skin and body protection** Head/neck protection. Protective clothing.

**Respiratory protection** Wear gas mask with filter type A if conc. in air > exposure limit.

**Other information** Do not eat, drink or smoke during use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Paste
<b>Appearance</b>	Pale yellow solid creme
<b>Particle Size</b>	Not applicable
<b>Odor</b>	Aromatic
<b>Odor Threshold</b>	No Available Data
<b>Molecular Formula</b>	Mixture
<b>Molecular Weight</b>	Mixture
<b>Boiling Point</b>	No data available
<b>Decomposition Temperature</b>	No Available Data
<b>Melting point</b>	No Available Data
<b>Freezing Point</b>	No Available Data
<b>Relative Density</b>	No Available Data
<b>Bulk Density</b>	No Available Data
<b>Solubility in Water</b>	No Available Data
<b>Solubility in other liquids</b>	No Available Data
<b>Flash point</b>	150F

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Avoid extreme temperatures.
<b>Hazardous Decomposition Products</b>	Carbon Oxides.
<b>Possibility of Hazardous Reactions</b>	Do not bring into contact with oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

Exposure skin or eye contact, and accidental ingestion. Acute Oral Toxicity : Low toxicity: LD50 > 5000 mg/kg , Rat

Acute Dermal Toxicity : Low toxicity: LD50 >2000 mg/kg , Rabbit

Acute Inhalation Toxicity : Low toxicity: LC50 >5 mg/l / 4,00 h, Rat

Skin Corrosion/Irritation : Irritating to skin. Serious Eye Damage/Irritation : Expected to be slightly irritating.

Respiratory Irritation : Based on human experience, breathing of vapours or mists may cause a temporary burning sensation to nose, throat and lungs.

Respiratory or Skin Sensitisation : Not expected to be a sensitiser.

Aspiration Hazard : Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Germ Cell Mutagenicity : May cause heritable genetic damage. (Benzene) Mutagenicity studies on

gasoline and gasoline blending streams have shown predominantly negative results. Carcinogenicity : Known human carcinogen. (Benzene) May cause leukaemia (AML - acute myelogenous leukemia). (Benzene)

**SKIN CORROSION/IRRITATION** SKIN-RABBIT 4H

**RESPIRATORY** NO DATA AVAILABLE

**SERIOUS EYE DAMAGE/IRRITATION**

Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)  
CAUSES EYE IRRITATION/DAMAGE

**GERM CELL MUTAGENICITY** Rat Liver DNA damage

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Toluene)

3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-

Butoxyethanol)

INSUFFICIENT DATA FROM OTHER REGULATORY GROUPS TO ASCERTAIN HAZARD FACTORS.

**Reproductive toxicity** Damage to fetus possible Suspected human reproductive toxicant

Reproductive toxicity - Rat - Inhalation Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).

Experiments have shown reproductive toxicity effects in male and female laboratory animals.

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals

**Developmental Toxicity** Rat - Oral Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Human exposure above 200 ppm can be expected to cause narcosis, damage to the kidney and liver and present an abnormal blood picture showing erythropenia, reticulocytosis, granulocytosis, leukocytosis, and would be likely to cause fragility of erythrocytes and hematuria.

## 12. ECOLOGICAL TOXICITY

### TOXICITY

**Acute Toxicity :** Expected to be toxic: (to aquatic organisms) LL/EL/IL50 > 1 <= 10 mg/l (LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract).

Fish : Expected to be toxic: LL/EL/IL50 > 1 <= 10 mg/l

Aquatic Invertebrates : Expected to be toxic: LL/EL/IL50 > 1 <= 10 mg/l

Algae : Expected to be toxic: LL/EL/IL50 > 1 <= 10 mg/l

Microorganisms : Expected to be harmful: LL/EL/IL50 > 10 <= 100 mg/l

**Toluene** Leuciscus idus (Golden orfe) - 3 d - 0.05 mg/l Bioconcentration factor (BCF): 90

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h

NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d

Toxicity to daphnia and other aquatic invertebrates

EC50 - Daphnia magna (Water flea) - 8.00 mg/l - 24 h Immobilization

EC50 - Daphnia magna (Water flea) - 6 mg/l - 48 h

Toxicity to algae

EC50 - Chlorella vulgaris (Fresh water algae) - 245.00 mg/l - 24 h

EC50 - Pseudokirchneriella subcapitata (green algae) - 10.00 mg/l - 24 h

## 13. DISPOSAL CONSIDERATIONS

Product Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated packaging** Dispose of as unused product.

## 14. TRANSPORT INFORMATION

### Shipping Information

UN 1993 - Flammable liquids n.o.s. Class 3, PGII

NFPA

### Special Shipping Information

Not applicable.

### HMIS

HEALTH 2

FLAMMABILITY 1

REACTIVITY 0

## 15. REGULATORY INFORMATION

United States

OSHA Hazards : Flammable liquid Moderate skin irritant Severe eye irritant Carcinogen Teratogen  
TSCA Status : On TSCA Inventory  
SARA 311/312 Hazards : Fire Hazard Acute Health Hazard Chronic Health Hazard  
SARA III US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA)  
SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components \

1,2,4-Trimethylbenzene 95-63-6  
Benzene 71-43-2  
Ethylbenzene 100-41-4  
Cyclohexane 110-82-7  
Toluene 108-88-3  
N-hexane 110-54-3  
Xylene 1330-20-7

PENN RTK US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)  
Heptane [and isomers] 142-82-5  
Ethylbenzene 100-41-4  
Benzene 71-43-2  
1,2,4-Trimethylbenzene 95-63-6  
Sulfur 7704-34-9  
Pentane 109-66-0  
Naphtha; Low boiling point naphtha 8030-30-6  
Xylene 1330-20-7  
N-hexane 110-54-3  
Toluene 108-88-3  
Cyclohexane 110-82-7

MASS RTK US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of  
Massachusetts Regulations Section 670.000) Components  
Heptane [and isomers] 142-82-5  
Ethylbenzene 100-41-4  
Benzene 71-43-2  
1,2,4-Trimethylbenzene 95-63-6  
Sulfur 7704-34-9  
Naphtha; Low boiling point naphtha 8030-30-6  
Xylene 1330-20-7  
N-hexane 110-54-3  
Toluene 108-88-3  
Cyclohexane 110-82-7

NJ RTK US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section  
34:5A-5) Components  
Heptane [and isomers]  
142-82-5 Ethylbenzene 100-41-4  
Benzene 71-43-2  
1,2,4-Trimethylbenzene 95-63-6  
Sulfur 7704-34-9  
Naphtha; Low boiling point naphtha 8030-30-6  
Xylene 1330-20-7  
N-hexane 110-54-3  
Toluene 108-88-3

**16. OTHER INFORMATION**

**SDS Prepared by  
Disclaimer**

**Total Import Solutions, Inc. dba NANOSKIN Car Care Products**

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