

Safety Data Sheet (SDS)

NANOSKIN ANTI-FOG Anti-Fog Treatment



1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : NANOSKIN ANTI-FOG
 Product identifier : NA-ATF
 Product Family : AQUEOUS MIXTURE

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

Identified Uses : Used in the treatment of glass surfaces to reduce fog and condensation accumulation.

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)

Precautionary Statements

Prevention:

P264 Wash skin thoroughly after handling.
 P273 Avoid release to the environment.
 H315 Causes skin irritation.

Response:

P264 Wash hands thoroughly after handling.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P332 + P313 If skin irritation occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.

2.2 GHS Label elements, including precautionary statements

Pictogram



3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS number	Warnings	Concentration
WATER	7732-18-5		70-80%
N-(3-(Trimethoxysilyl)propyl)butylamine	31024-56-3		<5%
Polyhydroxyl polymer	Proprietary non harmful		<3%
3-Chloropropyltrimethoxysilane	2530-87-2		<5%

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 occurs.

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 : No direct fire hazard.
INDIRECT FIRE HAZARD	None known
EXPLOSION HAZARD	None known
REACTIVITY	Non known
FIREFIGHTING INSTRUCTIONS	Non-reactive. Not flammable.
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.
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.
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
No known exposure guideline controls at this time.				
ENGINEERING CONTROLS	Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.			
Materials for protective clothing :	Gloves advised. Please use gloves resistant to silicones.			
Hand protection	Please use gloves with the above materials recommendation.			
Eye protection	Protective goggles.			
Skin and body protection	Adequate clothing.			
Respiratory protection	Adequate ventilation.			
Other information	Do not eat, drink or smoke during use.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Appearance	transparent

Particle Size	Not applicable
Odor	Lemon
Odor Threshold	No Available Data
Molecular Formula	Mixture
Molecular Weight	Mixture
Boiling Point	100 °C
Decomposition Temperature	No Available Data
Melting point	No Available Data
Freezing Point	No Available Data
Relative Density	No available data
Bulk Density	No Available Data
Solubility in Water	No Available Data
Solubility in other liquids	No Available Data
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, silicon oxides
Possibility of Hazardous Reactions	Do not bring into contact with oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

3-Chloropropyltrimethoxysilane LD50 Oral - Rat - 6,670 mg/kg

12. ECOLOGICAL TOXICITY

TOXICITY

3-Chloropropyltrimethoxysilane Toxicity to fish semi-static test LC50 - Brachydanio rerio (zebrafish) - > 100 mg/l - 96 h (Directive 67/548/EEC, Annex V, C.1.) Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia magna (Water flea) - 869 mg/l - 48 h (OECD Test Guideline 202) Toxicity to algae static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - > 833 mg/l - 72 h (Directive 67/548/EEC, Annex V, C.3.)

13. DISPOSAL CONSIDERATIONS

PRODUCT	Dispose of in accordance to local EPA guidelines. Do not dispose of into drains.
CONTAMINATED PACKAGING	Dispose of as unused product.

14. TRANSPORT INFORMATION

Shipping Information

NOT UN RATED

Special Shipping Information

Not applicable.

HMIS

HEALTH 1

FLAMMABILITY 0

REACTIVITY 0

15. REGULATORY INFORMATION

United States

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Massachusetts Right To Know Components

3-Chloropropyltrimethoxysilane CAS-No. 2530-87-2 Revision Date

Pennsylvania Right To Know Components

2-Propanol CAS-No. 67-63-0 Revision Date 1987-01-01

New Jersey Right To Know Components

3-Chloropropyltrimethoxysilane CAS-No. 2530-87-2 Revision Date

California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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.