

Safety Data Sheet (SDS)

NANOSKIN HAPPY BUG



1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : NANOSKIN HAPPY BUG Bug Remover
 Product identifier : NA-HBG
 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.
 14700 Radburn Ave.
 Santa Fe Springs, CA 90670
 Telephone : [562-691-6818](tel:562-691-6818)
 Fax : [562-483-8333](tel:562-483-8333)

1.4 Emergency telephone number

Emergency phone # : PERS NORTH AMERICA 1-800-633-8253
 INTERNATIONAL 1-801-629-0667

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H402 Harmful to aquatic life.

Precautionary Statements

P264 Wash skin thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear eye protection.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. P302 + P352 + P312 IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor/ physician if you feel unwell.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep 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.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

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2.2 GHS Label elements, including precautionary statements**SIGNAL WORD: WARNING**

Pictogram

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS number	Warnings	Concentration
SODIUM METASILICATE	6834-92-0		>1%
SODIUM GLUCONATE	527-07-1		1-5%
2—BUTOXY ETHANOL	111-76-2		1-5%
SODIUM HYDROXIDE			>1%
D-GLUCOPYRANOSE, OLIGOMERIC, DECYL OCTO GLYCOSIDE	68515-73-1	Harmful to aquatic life	1-5%
DECANOL	112-30-1	Harmful to aquatic life with long lasting effects.	>1%
OCTANOL	111-87-5		>1%

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. Never give anything by mouth to an unconscious person.

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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, sodium 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:** 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 or result in unintended fumes. Please absorb excess, rinse area and ensure adequate ventilation.**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 diamaceous earth. Sweep and dispose of as needed. For small spills, wipe away and wash exposed area.

7. HANDLING AND STORAGE**Handling** Wear gloves while in use, protect hands, face and skin from prolonged and repeated exposure.**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:
2-Butoxyethanol 111-76-2 TWA 20.000000 ppm USA. ACGIH Threshold Limit Values (TLV) Remarks Upper Respiratory Tract irritationEye irritation Substances for which there is a Biological Exposure Index or Indices . Confirmed animal carcinogen with unknown relevance to humans.
Potential for dermal absorption.

TWA 50.000000 ppm 240.000000 mg/m3 USA.

Occupational Exposure Limits (OSHA)

Octan-1-ol 111-87-5 TWA 50.000000 ppm USA. Workplace Environmental Exposure Levels (WEEL)

Sodium Hydroxide 1310-73-2 TWA/OSHA PEL 2 mg/m3

Engineering Controls Adequate ventilation necessary.**Personal Protective Equipment (PPE)****Eye/Face Protection** If mechanically buffing solution, please wear appropriate face/eye protection and a niosh approved respirator.**Skin Protection** Wear gloves while in use.**Respiratory Protection** Niosh approved respirator for airborne particles if adequate ventilation not present.

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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	Tea-colored liquid
Particle Size	liquid
Odor	pungent
Odor Threshold	No Available Data
Molecular Formula	Mixture
Molecular Weight	Mixture
Boiling Point	180F
Decomposition Temperature	No Available Data
Melting point	32F
Freezing Point	32F
Relative Density	.97g/cm ³
Bulk Density	No Available Data
Solubility in Water	100%
Solubility in other liquids	No Available Data
pH	9-10
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, sodium oxides
Possibility of Hazardous Reactions	Do not bring into contact with oxidizers.

11. TOXICOLOGICAL INFORMATION

2-BUTOXY ETHANOL

Acute toxicity LD50 Oral - Rat - male - 880 mg/kg (OECD Test Guideline 401) Inhalation: No data available LD50 Dermal - Rabbit - male - 1,060 mg/kg (OECD Test Guideline 402) LD50 Intraperitoneal - Rat - 220 mg/kg LD50 Intravenous - Rat - 307 mg/kg Skin corrosion/irritation Skin - Rabbit Result: Skin irritation - 20 h Serious eye damage/eye irritation Eyes - Rabbit Result: Eye irritation - 24 h (OECD Test Guideline 405) Respiratory or skin sensitisation Maximisation Test (GPMT) - Guinea pig Result: Does not cause skin sensitisation. (OECD Test Guideline 406) Germ cell mutagenicity Hamster ovary Result: negative OECD Test Guideline 474 Mouse - male Result: negative Carcinogenicity IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol) NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

D-GLUCOPYRANOSE, OLIGOMERIC, DECYL OCTO GLYCOSIDE

Oral Type of value: LD50 Species: rat Value: > 5,000 g/kg Inhalation Type of value: ATE Value: > 20 mg/l Determined for vapor Type of value: ATE Value: > 5 mg/l Determined for mist Dermal Type of value: LD50 Species: rabbit Value: > 5,000 mg/kg

DECANOL

LD50 Oral - Rat - 4,720 mg/kg Remarks: Behavioral:Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Dyspnea. LC50 Inhalation - Rat - 4 h - > 2.05 mg/l LC50 Inhalation - Rat - 1 h - > 71 mg/l LD50 Dermal - Rabbit - > 2,000 - 4,000 mg/kg (OECD Test Guideline 402) LD50 Dermal - Rat - > 5,000 mg/kg No data available

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Skin corrosion/irritation Skin - Rabbit Result: Mild skin irritation (OECD Test Guideline 404) Serious eye damage/eye irritation Eyes - Rabbit Result: Moderate eye irritation - 24 h

OCTANOL

Acute toxicity LD50 Oral - Rat - male and female - > 5,000 mg/kg (OECD Test Guideline 401) Inhalation: No data available LD50 Dermal - Rabbit - > 2,000 - < 4,000 mg/kg No data available Skin corrosion/irritation Skin - Rabbit Result: Mild skin irritation - 4 h (OECD Test Guideline 404) Serious eye damage/eye irritation Eyes - Rabbit Result: Irritating to eyes. (OECD Test Guideline 405)

SODIUM METASILICATE

LD50 Oral - rat - male and female - 1,152 - 1,349 mg/kg Remarks: Gastrointestinal:Ulceration or bleeding from stomach. Inhalation: no data available Dermal: no data available no data available Skin corrosion/irritation Skin - rabbit Result: Corrosive - 4 h (OECD Test Guideline 404)

Skin Irritation/Corrosion

May be irritating to skin.

Eye Irritation/Corrosion

May cause eye irritation/damage.

Effects of Short-Term (Acute) Exposure

No data available.

Inhalation

No data available.

Ingestion

No data available.

12. ECOLOGICAL TOXICITY**General Comments**2-BUTOXYETHANOL

Toxicity to fish static test LC50 - Oncorhynchus mykiss (rainbow trout) - 1,474 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates Immobilization EC50 - Daphnia magna (Water flea) - 1,550 mg/l - 48 h (OECD Test Guideline 202)

Toxicity to algae Growth inhibition EC50 - Pseudokirchneriella subcapitata (green algae) - 1,840 mg/l - 72 h (OECD Test Guideline 201) 12.2 Persistence and degradability

Biodegradability aerobic - Exposure time 28 d Result: 90.4 % - Readily biodegradable

D-GLUCOPYRANOSE, OLIGOMERIC, DECYL OCTO GLYCOSIDE

Toxicity to fish LC50 > 10 - 100 mg/l

Aquatic invertebrates EC50 (48 h) 10 - 100 mg/l, Daphnia magna Aquatic plants EC50 (72 h) 10 - 100 mg/l (growth rate), Desmodemus subspicatus

Chronic toxicity to fish: No observed effect concentration (28 d) > 1 mg/l, Brachydanio rerio (Flow through.)

Chronic toxicity to aquatic invertebrates: No observed effect concentration (21 d) > 1 mg/l, Daphnia magna

DECANOL

Toxicity to daphnia and other aquatic invertebrates . NOEC - Daphnia magna (Water flea) - 0.11 mg/l - 21 d

OCTANOL

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 13.3 mg/l - 96 h (OECD Test Guideline 203)

Toxicity to algae static test EC50 - Desmodemus subspicatus (green algae) - 6.5 mg/l - 48 h (OECD Test Guideline 201)

SODIUM METASILICATE

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Toxicity to fish semi-static test LC50 - Danio rerio (zebra fish) - 210 mg/l - 96 h
(ISO 7346/1)**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.

NFPA/HMIS

1 HEALTH

0 FLAMMABILITY

0 REACTIVITY

15. REGULATORY INFORMATION**United States**

SARA 313 Components The following components are subject to reporting levels established by SARA Title III, Section 313: 2-Butoxyethanol CAS-No. 111-76-2

Massachusetts Right To Know Components

2-Butoxyethanol CAS-No. 111-76-2

Pennsylvania Right To Know Components

Sodium gluconate CAS-No. 527-07-1

2-Butoxyethanol CAS-No. 111-76-2

Decan-1-ol CAS-No. 112-30-1

Octan-1-ol CAS-No. 111-87-5

Disodium metasilicate CAS-No. 6834-92-0

New Jersey Right To Know Components

Sodium gluconate CAS-No. 527-07-1

2-Butoxyethanol CAS-No. 111-76-2

Decan-1-ol CAS-No. 112-30-1

Octan-1-ol CAS-No. 111-87-5

Disodium metasilicate CAS-No. 6834-92-0

California

Product is not known, at this time, to contain any California prop 65 materials.

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

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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.