

Safety Data Sheet (SDS)

NANOSKIN HD CUT



1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : NANOSKIN HD CUT Heavy Duty Rubbing Compound
 Product identifier : NA-HDC
 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

2.2 GHS Hazard Classification: Flammable Liquid Category 4

Acute Toxicity (Oral) Category 4

Acute Toxicity (Inhalation) Category 4

Acute Toxicity (Dermal) Category 4

Aspiration Hazard Toxicity Category 2

Skin Irritation Category 2

Eye Irritation Category 2A

Skin Sensitization Category 1B

Specific Target Organ Toxicity (Single) Category 3 (Nervous System)

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

H227 COMBUSTIBLE LIQUID

H302 HARMFUL IF SWALLOWED

H332 HARMFUL IF INHALED

H312 HARMFUL IN CONTACT WITH SKIN

H305 MAY BE HARMFUL IF SWALLOWED AND ENTERS AIRWAYS

H315 CAUSES SKIN IRRITATION

H317 MAY CAUSE AN ALLERGIC SKIN REACTION

H319 CAUSES SERIOUS EYE IRRITATION

H336 MAY CAUSE DROWSINESS OR DIZZINESS

Precautionary Statements

P102: Keep out of reach of children.

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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.

2.3 GHS Label elements, including precautionary statements**SIGNAL WORD: DANGER**

Pictogram

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS number	Warnings	Concentration
Aliphatic naptha	64742-88-7	Skin irritant, environmental toxin	
TRIPOLI	1317-95-9		

4. FIRST AID MEASURES**FIRST AID PROCEDURES**

IF IN EYES: Rinse continuously with water for several minutes, Remove contact lenses and continue rinsing, immediately call a doctor/physician.

IF ON SKIN: Wash with plenty of soap and water, immediately call a doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

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5. FIRE FIGHTING MEASURES

Conditions of flammability: Not likely under normal conditions as the Flash Point is above 212 DF (100 DC). Even upon heating this product would give off only water vapor.

Suitable extinguishing media: Foam, water, water spray

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus with a full face-piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Hazardous combustion products:

Some oxides of carbon on incineration

Additional Information: Fire & Explosion Hazards are not known for this water based product.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Methods and materials for containment and cleaning up: **SMALL SPILLS:** Absorb with suitable absorbent material, place in chemical waste container, close tightly and dispose of properly. **LARGE SPILLS:** Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required. Absorb remaining liquid with suitable absorbent material and place in chemical waste container, close tightly and dispose of properly.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use in a well-ventilated area and wear protective equipment as required. Avoid misting, heating or splashing. Wash thoroughly after handling.

Storage: Store in closed containers in a cool, dry, well-ventilated area. Protect containers from physical damage.

Special precautions: Empty containers retain product residues (vapor, liquid and/or solid) and may be hazardous. Observe all hazard precautions. Keep empty containers closed and do not use to mix or store any other materials.

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/m ³

Personal protective equipment

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Respiratory protection:	Not normally required for use in well ventilated areas.
Hand protection:	Handle with alkali resistant gloves. Gloves must be inspected prior to use. Remove gloves without touching the wet parts of the glove. Dispose of used or contaminated gloves after use in accordance with local, applicable laws and good practices. Wash and dry hands.
Eye protection:	Use chemical splash goggles for eye protection that are tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Skin and body protection:	Work apron or protective clothing with long sleeves to prevent skin contact. Change to dry apron or clothes if wet with product.
Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.
Wash	hands before breaks and at the end of the workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	liquid
Appearance	viscous beige
Odor Threshold	No Available Data
Molecular Formula	Mixture
Molecular Weight	Mixture
Boiling Point	212F
Decomposition Temperature	No Available Data
Relative Density	<1g/cm ³
Bulk Density	No Available Data
Solubility in Water	7.5
Solubility in other liquids	No Available Data
pH	6-8
Flash point	No Available Data
VOC	<6

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 or strong acids.

11. TOXICOLOGICAL INFORMATION

The information is provided for the component Aliphatic petroleum distillates at 100% strength.

The amount of the component Aliphatic petroleum distillates present is low and therefore the effect of the component needs to be calculated for concentration and then taken into account. The concentrations of the components are further reduced at the advised and paintrecommended dilution levels.

Aliphatic Naptha:

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Effects, Acute Exposure

Skin Contact	little immediate effect; may be mildly irritating; of 14 reported tests on rabbits, 7 rated this type of hydrocarbon "not irritating", 6 "irritating", with one inconclusive ¹
Skin Absorption	slight; no toxic effects by this route
Eye Contact	liquid slightly irritating; 11 reported tests on rabbits all rated this type of hydrocarbon as "not irritating" ¹ , 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:	
Isopropyl Alcohol:	

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.

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 (<i>should be under 30 days in sewage treatment facility</i>)
Abiotic Degradation	reacts with atmospheric hydroxyl radicals; estimated ½-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	
LC ₅₀ (Fish, 96hr)	45mg/litre <i>emulsified</i> . 18-20mg/litre – <i>water soluble</i> (Pimephelas promelas) NOTE: Mineral spirits is essentially water insoluble. The above tests recognize this. The 1 st test emulsified the product, the 2 nd equilibrated it with water, then tested.
LC ₅₀ (Crustacea, 48hr)	1.4, 1.9, 3-10, 21 & 40-89mg/litre (Daphnia magna) ¹
LC ₅₀ (Algae, 72hr)	1-3, 4.3, 5.0, 8.3 & 10-30mg/litre (Pseudokirchnerella subcapitata) ¹
LC ₅₀ (Bacteria)	678mg/litre (Tetrahymena pyriformis – <i>computer estimate</i>) 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.

DOT (US): This is not a regulated material

IATA and ICAO (Air Transportation): This is not a regulated material

IMDG (Water Transportation): This is not a regulated material

Special Shipping Information

Not applicable.

HMIS RATING

HEALTH	1
FIRE	0
REACTIVITY	0

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15. REGULATORY INFORMATION

OSHA Hazards: Harmful by ingestion. Harmful by skin absorption. Irritant

US TSCA: All ingredients listed

CANADA: Inventory Status - All ingredients listed

SARA 302 For Components: None

SARA 313 For Components: None

SARA 311/312 Hazards: Fire Hazard, Acute Health Hazard, Chronic Health Hazard.

California Prop. 65: WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

This information is provided for the following unintended byproducts in this product in the quantities shown:

Cancer: Ethyl Benzene CAS # 100-41-1 < 0.0000458 %, Naphthalene CAS # 91-20-3 < 0.0000458 %

Birth Defects: Toluene CAS # 108-88-3 < 0.0000038 %

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.