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
Fax : 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.
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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS number</th>
<th>Warnings</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aliphatic naptha</td>
<td>64742-88-7</td>
<td>Skin irritant, environmental toxin</td>
<td></td>
</tr>
<tr>
<td>TRIPOLI</td>
<td>1317-95-9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
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:**

<table>
<thead>
<tr>
<th>SOLVENT NAPHTHA (PETROLEUM), LIGHT ALIPHATIC</th>
<th>64742-89-8</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA Z1</td>
<td>time weighted average 500 ppm</td>
</tr>
<tr>
<td>ACGIH</td>
<td>time weighted average 300 ppm</td>
</tr>
<tr>
<td>ACGIH</td>
<td>time weighted average 1.370 mg/m³</td>
</tr>
</tbody>
</table>

**Personal protective equipment**
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 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>viscous beige</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No Available Data</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>Mixture</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>Mixture</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>212°F</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>No Available Data</td>
</tr>
<tr>
<td>Relative Density</td>
<td>&lt;1 g/cm³</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>No Available Data</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>7.5</td>
</tr>
<tr>
<td>Solubility in other liquids</td>
<td>No Available Data</td>
</tr>
<tr>
<td>pH</td>
<td>6-8</td>
</tr>
<tr>
<td>Flash point</td>
<td>No Available Data</td>
</tr>
<tr>
<td>VOC</td>
<td>&lt;6</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable under normal conditions.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Avoid extreme temperatures.</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>Carbon Oxides, copper oxides, tin oxides, zinc oxides and aluminum oxides.</td>
</tr>
<tr>
<td>Possibility of Hazardous Reactions</td>
<td>Do not bring into contact with oxidizers or strong acids.</td>
</tr>
</tbody>
</table>

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:
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 NAPTHA

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)
Abitic 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

LC₅₀ (Fish, 96hr): 45mg/litre emulsified, 18-20mg/litre – water soluble (Pimephales 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)
LC₅₀ (Algae, 72hr): 1-3, 4.3, 5.0, 8.3 & 10-30mg/litre (Pseudokirchnerella subcapita)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.
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
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 Total Import Solutions, Inc. dba NANOSKIN Car Care Products
Disclaimer
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.