

Safety Data Sheet (SDS)

TAR SOLVENT: Tar & Grease Remover



1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : Tar Solvent Tar & Grease Remover
Product identifier : NA-TGR
Product Family : SOLVENT BLEND

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

Identified Uses : For the removal of petroleum and road-sourced oils, greases, tars and more from automotive surfaces. For cleaning painted and primed surfaces.

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)

H225 Highly flammable liquid and vapour.

H227: Combustible liquid.

H302: Harmful if swallowed.

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

H401 Toxic to aquatic life.

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:

H227 Combustible liquid.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.

Precautionary Statements:

Prevention:

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

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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.

P331 Do NOT induce vomiting.

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.

Disposal:

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
TOLUENE	108-88-3	Flam. Liq. 2; Skin Irrit. 2; Repr. 2; STOT SE 3; STOT RE 2; Asp. Tox. 1; Aquatic Acute 2; H225, H304, H315, H336, H361, H373, H401	10-30%
STODDARD SOLVENT	64742-96-7	Flam. Liq. 4; skin irrit. 2; eye irrit 2A	70-90%

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 CO2 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
Distillates (petroleum), hydrotreated light	64742-47-8	TWA	500 ppm 2,000 mg/m3	
		OSHA Z-1 TWA	200 mg/m3 (as total hydrocarbon vapor)	
		ACGIH TWA	400 ppm 1,600 mg/m3	
Solvent naphtha (petroleum), heavy aliph.	64742-96-7	TWA	200 mg/m3 (as total hydrocarbon vapor)	ACGIH
		TOLUENE	108-88-3	TWA
		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	

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

Physical State	liquid
Appearance	Clear liquid solvent
Particle Size	Not applicable
Odor	Aromatic
Odor Threshold	No Available Data
Molecular Formula	Mixture
Molecular Weight	Mixture
Boiling Point	150 - 250 °C
Decomposition Temperature	No Available Data
Melting point	No Available Data
Freezing Point	No Available Data
Relative Density	~.825g/cm ³
Bulk Density	No Available Data
Solubility in Water	No Available Data
Solubility in other liquids	No Available Data
Flash point	60 - 90 °C

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

TOLUENE	LD50 Oral - Rat - > 5,580 mg/kg LC50 Inhalation - Rat - 4 h - 12,500 - 28,800 mg/m ³ LD50 Dermal - Rabbit - 12,196 mg/kg No data available
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Solvent naphtha (petroleum), heavy aliph.

64742-47-8: Acute oral toxicity : LD50 (rat, male and female): > 5,000 mg/kg
Method: Fixed dose procedure GLP: yes Acute inhalation toxicity : Remarks:
No data available Acute dermal toxicity : LD50 (rabbit, male and female): >
2,000 mg/kg Method: Fixed dose procedure GLP: yes

12. ECOLOGICAL TOXICITY

TOXICITY

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

Toxicity to algae
EC50 - Daphnia magna (Water flea) - 6 mg/l - 48 h
EC50 - Chlorella vulgaris (Fresh water algae) - 245.00 mg/l - 24 h
EC50 - Pseudokirchneriella subcapitata (green algae) - 10.00 mg/l - 24 h

Solvent Naptha (petroleum), heavy aliph.
Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): 25 mg/l Exposure time: 96 h
Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 203 GLP: yes Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): 1.4 mg/l Exposure time: 48 h Test Type: static test Analytical monitoring: yes Method: OECD Test Guideline 202 GLP: yes

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

DOT Proper Shipping Name UN1268, Paint Related Material, 3, PGI DOT Hazard Class: 3 DOT Hazard Label: FLAMMABLE LIQUID UN/NA Number: UN1268 Packing Group: II

Special Shipping Information

Not applicable.

HMIS

HEALTH 2

FLAMMABILITY 2

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 The following components are subject to reporting levels established by SARA Title III, Section 313:

Toluene CAS-No. 108-88-3 Revision Date 2007-07-01

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

Toluene CAS-No. 108-88-3 Revision Date 2007-07-01

Pennsylvania Right To Know Components

Toluene CAS-No. 108-88-3 Revision Date 2007-07-01

64742-47-8 Distillates (petroleum), hydrotreated light 0 - 100 %

64742-96-7 Solvent naphtha (petroleum), heavy aliph

New Jersey Right To Know Components

Toluene CAS-No. 108-88-3 Revision Date 2007-07-01

64742-47-8 Distillates (petroleum), hydrotreated light 0 - 100 %
64742-96-7 Solvent naphtha (petroleum), heavy aliph

California Prop. 65 Components

WARNING: This product contains Toluene, a chemical known to the state of California to cause birth defects or 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.