

Safety Data Sheet (SDS)

GENERAL PURPOSE CLEANING SOLVENT



1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name : GENERAL PURPOSE CLEANING SOLVENT
Product identifier : NA-GPS
Product Family : SOLVENT BLEND

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

Identified Uses : SUITABLE FOR INDUSTRIAL AND PETROLEUM BASED DIRT/GREASE REMOVAL.

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.

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: P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 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.
 P308 + P313 IF exposed or concerned: Get medical advice/ attention. P331 Do NOT induce vomiting.
 P331 Do NOT induce vomiting.
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362 Take off contaminated clothing and wash before reuse.
 P363: Wash contaminated clothing before reuse.
 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.
 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
N-BUTYL ACETATE	123-86-4	Flam. Liq. 2; ; Eye Irrit. 2A; STOT SE 3; H225,, H319, H336	>2%
ACETONE	67-64-1	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336	95-99%
TOLUENE	108-88-3		>2%

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.

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
ACETONE	67-64-1	TWA	500 ppm USA ACGIH	ACGIH STEL (ppm) 750 ppm
		TWA	2400 mg/m ³ U	
		TWA	1000 ppm	
TOLUENE	108-88-3	TWA	200PPM-300PPM	
		ACGIH	50 ppm, skin	-potential forcutaneous absorption.
		NIOSH	100 ppm	
		TWA	375 mg/m ³	
		TWA	500 ppm	IDLH
N-BUTYL ACETATE		TWA	150 ppm USA.	ACGIH Threshold Limit Values (TLV)
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	56-60 °C
Decomposition Temperature	No Available Data
Melting point	No Available Data

Freezing Point	No Available Data
Relative Density	~.798g/cm ³
Bulk Density	No Available Data
Solubility in Water	No Available Data
Solubility in other liquids	No Available Data
Flash point	-18°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

ACETONE	LD50 oral rat 5800 mg/kg (Rat; Experimental value,Rat; Experimental value) LD50 dermal rabbit 20000 mg/kg (Rabbit; Experimental value) LC50 inhalation rat (mg/l) 71 mg/l/4h (76 mg/l/4h; Rat; Rat; Experimental value; Experimental value,76 mg/l/4h; Rat; Rat; Experimental value; Experimental value) LC50 inhalation rat (ppm) 30000 ppm/4h (Rat; Experimental value,Rat; Experimental value)
TOLUENE	Toxicity LD50: <870 mg/kg (rat, oral) LC50: 6000 ppm/6h (rat, inhalation)
N-BUTYL ACETATE	LD50 Oral - Rat - female - 10,760 mg/kg (OECD Test Guideline 423) LC50 Inhalation - Rat - male and female - 4 h - > 21 mg/l (OECD Test Guideline 403) LD50 Dermal - Rabbit - male and female - > 14,112 mg/kg (OECD Test Guideline 402)

12. ECOLOGICAL TOXICITY

TOXICITY

ACETONE	Readily biodegradable in soil and water. LC50 fishes 1 6210 mg/l (96 h; Pimephales promelas; NOMINAL CONCENTRATION) EC50 Daphnia 1 8800 mg/l (48 h; Daphnia pulex)
TOLUENE	LC50 (96 hr.) Fish: 7.3~22.8 mg/l EC50 (48 hr.) Water flea: — Biocentration factor (BCF): 1.67~380
N-BUTYL ACETATE	Toxicity to fish flow-through test LC50 - Pimephales promelas (fathead minnow) - 18 mg/l - 96 h (OECD Test Guideline 203) Toxicity to daphnia and other aquatic invertebrates static test EC50 - Daphnia (water flea) - 44 mg/l - 48 h Toxicity to algae static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - 674.7 mg/l - 72 h

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.
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CONTAMINATED PACKAGING Dispose of as unused product.

14. TRANSPORT INFORMATION

Shipping Information

UN 1263 PAINT RELATED MATERIALS - Flammable liquids n.o.s. Class 3, PGII

NFPA

Special Shipping Information

Not applicable.

HMIS

HEALTH **1**

FLAMMABILITY **3**

REACTIVITY **0**

15. REGULATORY INFORMATION

United States

SARA 302 Components

CAS# 108-88-3 : final RQ = 1000 pounds (454 kg)

SARA 313 Components

This material contains Toluene (CAS# 108-88-3, 99% & 100%), which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 372.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard

Massachusetts Right To Know Components

n-Butyl acetate CAS-No. 123-86-4 Revision Date 1993-04-24

Pennsylvania Right To Know Components

n-Butyl acetate CAS-No. 123-86-4 Revision Date 1993-04-24

New Jersey Right To Know Components

n-Butyl acetate CAS-No. 123-86-4 Revision Date 1993-04-24

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.