Safety Data Sheet (SDS)
SLOW UNIVERSAL REDUCER

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 **Product identifiers**

Product name	:	SLOW UNIVERSAL REDUCER
Product identifier	:	NA-IPR-S
Product Family	:	SOLVENT BLEND

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

Identified Uses	:	URETHANE AND ENAMEL PAINT REDUCTION SUITABLE FOR: COLOR COAT, CLEAR COAT, SINGLE STAGE, PRIMERS AND SEALERS.

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:

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 INGREDEINTS

Component	CAS number	Warnings	Concentration
ACETONE	67-64-1	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336	10-15%
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	10-15%
2-BUTOXYETHANOL	111-76-2	Flam. Liq. 4; Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; H227, H312 + H332, H315, H319	30-40%
n-BUTYL ACETATE	123-86-4	Flam. Liq. 3; STOT SE 3; Aquatic Acute 3; H226, H336, H402	30-35%

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 consious, 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 Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD. Heat may cause pressure rise in tanks/drums: explosion risk. may be 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: persistant 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
TOLUENE	108-88-3	TWA	100 ppm 375 mg/m3	USA. OSHA TABLE Z-1
		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	
n-Butyl acetate	123-86-4	TWA	150 ppm USA.	ACGIH (TLV)
		REMARKS Upper Respiratory Tract irritation Eye irritation		
		TWA	150.000000 ppm	USA. ACGIH (TLV)
		REMARKS Upper Respiratory Tract irritation Eye irritation		
		STEL	200 ppm	USA. ACGIH (TLV)
		REMARKS Upper Respiratory Tract irritation Eye irritation		
		STEL	200.000000 ppm	USA. ACGIH (TLV)
		REMARKS Upper Respiratory Tract irritation Eye irritation		
		TWA	150.000000 ppm 710.000000 mg/m3	
		TWA	150.000000 ppm 710.000000 mg/m3	USA. NIOSH
		ST	200.000000 ppm 950.000000 mg/m3	
ACETONE	67-64-1	TWA	500 ppm USA ACGIH ACGIH STEL (ppm) 750 ppm	
		TWA	2400 mg/m³ U	
		TWA	1000 ppm	
2-BUTOXYETHANOL	111-76-2	TWA	20.000000 ppm USA. ACGIH (TLV)	

The value in mg/m3 is approximate.

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS

COMPONENT	CAS NUMBER	PARAMETER	VALUE	BIOLOGICAL SPECIMEN

Toluene	108-88-3	Toluene	0.0200 mg/l	In blood ACGIH - Biological Exposure Indices (BEI) Remarks Prior to last shift of workweek
		Toluene	0.0300 mg/l	Urine ACGIH - Biological Exposure Indices (BEI) End of shift (As soon as possible after exposure ceases)
		o-Cresol	0.3000 mg/g	Urine ACGIH - Biological Exposure Indices (BEI) End of shift (As soon as possible after exposure ceases)

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	85-112C
Decomposition Temperature	No Available Data
Melting point	No Available Data
Freezing Point	No Available Data
Relative Density	~.90g/cm3
Bulk Density	No Available Data
Solubility in Water	No Available Data
Solubility in other liquids	No Available Data
Flash point	19C

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

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 (OCED 403)
	LD50 Dermal - Rabbit - male and female - > 14,112 mg/kg (OECD Guideline 402)
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)

2-BUTOXYETHANOL LD50 Oral - Rat - male - 880 mg/kg (OECD Test Guideline 401)

TOLUENE LD50 Oral - Rat - > 5,580 mg/kg

LC50 Inhalation - Rat - 4 h - 12,500 - 28,800 mg/m3

LD50 Dermal - Rabbit - 12,196 mg/kg No data available

SKIN CORROSION/IRRITATION SKIN-RABBIT 4H

RESPIRATORY NO DATA AVAILABLE

SERIOUS EYE DAMAGE/IRRITATION

Classified according to Regulation (EU) 1272/2008, Annex VI (Table 3.1/3.2)
CAUSES EYE IRRITATION/DAMAGE

GERM CELL MUTAGENICITY Rat Liver DNA damage

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Toluene)
3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol)
INSUFFICIENT DATA FROM OTHER REGULATORY GROUPS TO ASCERTAIN HAZARD FACTORS.

Reproductive toxicity Damage to fetus possible Suspected human reproductive toxicant

Reproductive toxicity - Rat - Inhalation Paternal Effects: Spermatogenesis (including genetic material, sperm morphology,motility, and count).

Experiments have shown reproductive toxicity effects in male and female laboratory animals.

Overexposure may cause reproductive disorder(s) based on tests with laboratory animals

Developmental Toxicity Rat - Oral Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Human exposure above 200 ppm can be expected to cause narcosis, damage to the kidney and liver and present an abnormal blood picture showing erythropenia, reticulocytosis, granulocytosis, leukocytosis, and would be likely to cause fragility of erythrocytes and hematuria. Swallowing of 2-butoxyethanol results in a sour taste that turns to a burning sensation and is followed by numbness of the tongue which indicates paralysis of the sensory nerve endings., Central nervous system depression, Headache, stupor, numbness of the tongue, loss of taste, narcosis Stomach - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence

12. ECOLOGICAL TOXICITY

TOXICITY

N-BUTYL ACETATE aerobic - Exposure time 28 d Result: 83 % - Readily biodegradable

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

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

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)

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

Contaminated packaging Dispose of as unused product.

14. TRANSPORT INFORMATION

Shipping Information

UN 1993 - Flammable liquids n.o.s. Class 3, PGII

NFPA

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

2-Butoxyethanol CAS-No. 111-76-2 Revision Date 1993-04-24

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

2-Butoxyethanol CAS-No. 111-76-2 Revision Date 1993-04-24

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

Pennsylvania Right To Know Components

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

2-Butoxyethanol CAS-No. 111-76-2 Revision Date 1993-04-24

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

New Jersey Right To Know Components

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

2-Butoxyethanol CAS-No. 111-76-2 Revision Date 1993-04-24

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

California Prop. 65 Components

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Toluene CAS-No. 108-88-3 Revision Date 2009-02-01

16. OTHER INFORMATION

SDS Prepared by	**Total Import Solutions, Inc. dba NANOSKIN Car Care Products**
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