



MATERIAL SAFETY DATA SHEET BODY COATING

1 Identification of the substance/preparation and of the company/ enterprise

1.1 Trade name: GoGoNano Liquid Skin

1.2 Active cleaner.

Identified use:

Cleaning agent with gleaming and corrosion resistant properties

1.3 Manufacturer: Digital Trade Solutions OÜ
Kose mnt 28-13
74310, Kehra
Estonia

1.4 Emergency telephone number: +372 56470784

2 Hazards identification

2.1 Classification of the mixture: Classification according to directive 1999/45/EC
The product is an irritating mixture:



Xi

2.2 Labeling elements: labeling according to directive 1999/45/EC
Symbol: Xi

2.3 Main Hazards

Hazard indication: R38 irritating to skin.

Analysis of components with potential hazards:

Mixture of Silanes: Xi with R38

Ethoxylized Alcohols C9-11: product not registered under EINECS, no EC number, CAS 68439-46-3, US classification Xi with R41.

Follows the general concentration limits according to Directive 1999/45/EC Annex II part B table IV; Xi with R41, concentration <20%, no hazard indications. Present <10%

Propane-2-ol: Follows the general concentration limits according to Directive 1999/45/EC Annex

II part B table IV A; Xi with R36, concentration limit <5% no hazard indications; R67 is optional. Present <1.4%. F with R11 is voided, flash point >50°C at the given concentration in water.

Ethanol: present <0.5%. F with R11 is voided, flash point >50°C at the given concentration in water and in addition of the concentration of propane-2-ol, see above.

2-butoxy-ethanol: follows the general concentration limits according to Directive 1999/45/EC Annex II part B table I; Xn with R20/21/22, concentration limit <25% no hazard indications; table IV Xi with R36/38 concentration limit <20% no hazard indications. Present <1%.

2-methyl-2,4-pentanediol: specific concentration limit $C \geq 10\%$, Xi with R36/38, present < 5% no hazard indications at this concentration.

2-propanol, 1-butoxy: Follows the general concentration limits according to Directive 1999/45/EC Annex II part B table IV; Xi with R36/38, concentration <5%, no hazard indications. Present <0.3%.

Conclusion: The preparation has to be classified as a hazardous mixture Xi with R38.

Risk phrases

R38

Health hazards:

not known at these concentrations.

Physical/ Chemical hazards

Specific hazards:

not known at these concentrations

Environmental hazards:

no immediate hazards.

3 Composition and information on ingredients

Chemical description: preparation in the form of an aqueous emulsion with the following ingredients and harmless additives.

3.1 Substances: not applicable. This product is a mixture.

3.2 Mixtures: according to the European Directive 1999/45/EC this preparation has to be classified as irritating, see 2.3.

Ingredients	CAS-nbr.	EC-nbr.	Symbol	R-phrases	Concentrations
Proprietary components	X	x	F	R11	< 12%
Ethanol					<0.5%
2-butoxy ethanol	x	x	Xn Xi	R20/21/22 R36/38	<1%
2-methyl-2,4-pentanediol	x	x	Xi	R36/38	<4%
2-propanol, 1-butoxy	x	x	Xi	R36/38	<0.3%
Water	x	x	-	-	Up to 100 %

Concentrations in weight percentage

See section 16 for the full text of the R-phrases.

EG-Annex 1#:

Propaan-2-ol	603-117-00-0
Ethanol	603-002-00-5
2-butoxyethanol	603-014-00-0

4 First aid measures

Medical emergency treatment:

Under normal circumstances, no immediate medical care is necessary.

First aid:

Inhalation:

up to 30°C no danger for inhalation, take the necessary precautions when sprayed. After inhalation of aerosols or sprays, bring victim into fresh air. In case of persistent symptoms and complaints, consult a physician.

Skin contact:

Rinse with plenty of water. Call for medical care when inflammation or irritation appears.

Eye contact:

Remove contacts. Keep eyelids open and rinse immediately and thoroughly for at least 5 minutes, possibly with an eye rinse solution. In case of persistent complaints, consult an ophthalmologist.

If swallowed:

If bigger quantities are swallowed, rinse the mouth. Consult a physician.

Symptoms and effects:

skin irritation.

Remarks for physician:

treat symptomatically.

5 Measures for fire fighting

5.1 Extinguishing agents

Suitable extinguishing agents:

foam, carbon dioxide, powder, water jet

Unsuitable extinguishing agents:

full water jet

5.2 Particular hazards for firefighting:	In case of fire, carbon monoxide, carbon dioxide, silicon dioxide and nitrogen oxides (NO _x), smoke, vapor and incomplete combustion products can be released.
5.3 Advice for firefighters	
The preparation is non-flammable	at ambient temperature
Extinguishing agents:	see 5.1
Special hazards for firefighting:	In case of fire carbon monoxide, carbon dioxide and nitrogen oxides can be released. Use an independent breathing device.
Further information:	Extinguishing water should not flow into sewers, ground water or open surface waters. Take measures to collect extinguishing water. Dispose combustion residues and contaminated water according to regulations of local authorities

6 Accidental release measures

6.1 Personal precautions:	gloves and safety glasses are mandatory.
Protective measures:	wear personal protection gear.
6.2 Environmental precautions:	No immediate hazard.
6.3 Cleaning up methods and material:	
On the ground:	Avoid spreading over a big area by diking or occlusion. Big leaks should be extracted mechanically by means of a pump or vacuum cleaner. Clean away residues or smaller leaks with absorbents for chemicals.
On water:	forms an emulsion.
6.4 Referral to other sections:	sections 8 and 13.

7 Handling and storage

7.1 Precautions for safe handling:	Apply the usual precautions for the use and manipulation of chemical products. Avoid contact with eyes and skin. Do not inhale gasses, vapors and aerosols.
7.2 Safe storage conditions including incompatible products:	
Loading and unloading temperature:	ambient temperature
Transport temperature:	ambient temperature
Storage temperature:	ambient temperature
Suitable packaging:	1000 l IBC and smaller packaging.
Suitable materials and coatings:	poly-ethylene, poly-propylene, stainless steel.
7.3 specific final use:	see section 1 for identified use.

8 Exposure control – personal protection

8.1 control parameters / exposure limits

The product does not contain substances at concentrations for which MAC values are determined.

DNEL / DMEL values:

DNEL / DMEL values are not available

PNEC values:

PNEC values are not available

8.2 Personal protection

Respiratory protection

No specific protection is needed for normal use.

Special safety precautions need to be taken when the product is vaporized. Aerosols must not be in contact with the skin nor inhaled, in any case. Depending on the technique used, an adequate suction should be installed or respiratory protection worn. In case of short term use, use a combination filter A-P2.

Hand protection:

Wear safety gloves of impermeable materials. Butyl gloves (IIR) and fluorubber gloves (FKM, p.e. viton) are suitable.

Eye protection:

Wear well fitted safety goggles during use. The product by itself is not classified as irritating for the eyes.

Skin and corporal protection

Protective clothing against chemicals is recommended.

Hygienic precautions

No special measures required.

Environmental control

Follow the applicable environmental legislation concerning the limitation of emission towards water and soils.

9 Physical and chemical properties

9.1 information about physical and chemical basic properties

Appearance:	Liquid
Color:	Transparent white
Odor:	Characteristic
pH:	not determined
Freezing point (°C):	not determined
Stability:	15 °C to 30 °C
User temperature	15 °C to 30 °C
Melting point (°C):	not determined
Boiling point (°C):	not determined
Decomposition temperature (°C):	not determined
Specific density (Kg/dm ³)	0.95
Relative density vs. water:	0.95

Bulk density (Kg/m ³):	not applicable
Vapor pressure (kPa):	not determined
Solubility in water (g/ 100 ml):	miscible at 20 °C
Flash point (°C):	not determined
Self ignition temperature (°C):	not applicable
Explosiveness:	not applicable
Explosion limit - lower (°C):	not applicable
Explosion limit – upper (°C):	not applicable
Log P octanol / water at 20 °C:	not determined
Evaporation speed:	not determined
Oxidation – properties:	not determined
Specific conductivity (S/m):	not determined

10 Stability and reactivity

10.1 Reactivity	no specific reactions known, see section 10.3
10.2 Chemical stability:	stable under normal conditions
10.3 Potential hazardous reactions:	when heated, potential formation of alcohols
10.4 Conditions to avoid:	not known
10.5 Chemical reactive substances:	not known
10.6 Hazardous decomposition:	formation of ethanol

11 Toxicological information

Information about toxicological effects:	no data available
CRM assessment:	no data available

12 Ecological information

The information provided is based on available data about the product, the ingredients of the product and similar products.

12.1 Toxicity	the product is classified as weakly hazardous in water.
12.2 Persistence and degradability	
Biological degradability	no data available
Hydrolysis	transformation by hydrolysis is not expected to be significant.
Photolysis	transformation by photolysis is not expected to be significant.
Atmospheric oxidation	is not expected to degrade rapidly in the air.
12.3 Bioaccumulation	no data available
12.4 Mobility in the soil	will mix with ground water
12.5 Results of PBT and zPzB assessment	the product doesn't contain substances that are PBT and/or zPzB.
12.6 Other harmful effects	no harmful effects are expected

Other ecological information

according to 1999/13/EC this product contains a part of product classified as Volatile Organic Substance, VOS content 7 g/l.

13 Disposal considerations**13.1 Waste processing methods****Product:**

Dispose in accordance to the local legislation and bring to a specialized incineration plant.

Contaminated packaging

The packaging material is only meant for the packaging of the product. After use, clean the package and bring it to the local recycling according to national laws. The receiver needs to be informed about potential risks.

Waste code number

The waste code number has to be determined in accordance with the European waste code list, 2000/532/EC in consultation with the waste processor/ manufacturer/ authorities.

14 Transport information**Transport / more information**

The product is classified as harmless according to transportation regulations.

RID/ ADR class: not regulated.

15 Regulatory information**Regulatory status and applicable laws and regulations****15.1 specific laws and regulations concerning the safety, health and environment for the substance or the mixture.****The following EC directives and regulations are applicable**

98/24/EC concerning the protection of the employees against the risk of chemical substances on the work floor.

1272/2008/EC concerning the classification, labeling and packaging of substances and mixtures.

453/2010/EC, amendment 1999/45/EC

1999/45/EC concerning the approach in laws, regulations and administrative provisions concerning the classification, packaging and labeling of hazardous mixtures.

15.2 chemical safety assessment

REACH information: a chemical safety assessment has been performed for one or more substances present in the product.

16 Further information

Text of the R-phrases referenced under section 3:

R38	Irritating to skin
R41	Risk of serious damage to eyes
R11	Highly flammable
R67	Vapors may cause drowsiness and dizziness
R36	Irritating to eyes
R20/21/22	Harmful by inhalation, in contact with skin or if swallowed.

Page VIB:	upper right corner, first line
Revision VIB:	upper right corner, second line
Revision date:	upper right corner, third line
Date previous revision:	upper right corner, fourth line
Manufacturer:	Digital Trade Solutions OÜ
Revised parts:	changes with reference to previous versions are marked with “#”.
Information sources:	Original VIB and specifications from Manufacturers.

Further information

This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.