Diversey
A SOLENIS COMPANY

Safety Data Sheet

Deep Gloss

Revision: 2024-10-22 **Version:** 01.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Trade name: Deep Gloss

1.2 Recommended use and restrictions on use
See product label.

1.3 Details of the supplier of the safety data sheet
SOLENIS VIETNAM COMPANY LIMITED

Contact details
Level 4&5, M-Building, Lot C7B-02A, Block A, No.9 Street 8, Zone Saigon South New Urban Area, Tan Phu Ward, District 7, Ho Chi Minh City, VIETNAM
Tel. 0314996293

1.4 Emergency telephone number
In case of medical emergency, please seek professional medical advice.

SECTION 2: Composition/information on ingredients

2.1 Substances / Mixtures

Ingredient(s)	CAS number	EC number	Classification	Weight percent
distillates (petroleum), hydrotreated light	64742-47-8	265-149-8	Flammable liquids, Category 4 (H227) Aspiration toxicity, Category 1 (H304) Specific target organ toxicity - Single exposure, Category 3 (H336) Acute aquatic toxicity, Category 2 (H401) Chronic aquatic toxicity, Category 2 (H411)	10-20
butane	106-97-8	203-448-7	Flammable gases, Category 1 (H220) Compressed gas (H280)	10-20
propane	74-98-6	200-827-9	Flammable gases, Category 1 (H220) Compressed gas (H280)	3-10
Polyglycerol ester of oleic acid	9007-48-1		Skin irritation, Category 2 (H315) Eye irritation, Category 2A (H319)	1-3
sodium benzoate	532-32-1	208-534-8	Eye irritation, Category 2A (H319) Acute aquatic toxicity, Category 2 (H401)	0.1-1

Workplace exposure limit(s), if available, are listed in subsection 8.1.
ATE, if available, are listed in section 11.

SECTION 3: Hazards identification

3.1 Classification of the substance or mixture
Aerosols, Category 1
Acute aquatic toxicity, Category 3
Chronic aquatic toxicity, Category 3

3.2 Label elements

Signal word: Danger.

Hazard statements:
H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements:

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P251 - Do not pierce or burn, even after use.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

3.3 Other hazards
No other hazards known. Exposure and appropriate engineering controls are specified in subsection 8.2 exposure controls.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Get medical attention or advice if you feel unwell.
Skin contact:	Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.
Eye contact:	Rinse cautiously with water for several minutes. If irritation occurs and persists, get medical attention.
Ingestion:	Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.
Self-protection of first aider:	Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation:	No known effects or symptoms in normal use.
Skin contact:	Direct contact can damage skin by freezing.
Eye contact:	Direct contact can damage the eye by freezing.
Ingestion:	No known effects or symptoms in normal use.

4.3 Indication of any immediate medical attention and special treatment needed
No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture
Cool endangered packaging with water spray jet.

5.3 Advice for firefighters
As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
No special measures required.

6.2 Environmental precautions
No special environmental precautions required.

6.3 Methods and material for containment and cleaning up
Absorb liquid components with liquid-binding material.

6.4 Reference to other sections
For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Measures to prevent fire and explosions:
Keep away from heat. BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50° C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.

Measures required to protect the environment:
For environmental exposure controls see subsection 8.2.

Advice on general occupational hygiene:
Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Handle and open container with care. Wash hands before breaks and at the end of workday. Use only with adequate ventilation. See chapter 8.2, Exposure

controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities
Store in accordance with local and national regulations. Keep away from heat and direct sunlight.
For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)
No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Workplace exposure limits

Air limit values, if available:

Biological limit values, if available:

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet.
If available, please refer to the product information sheet for application and handling instructions.
Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:

Appropriate engineering controls:	No special requirements under normal use conditions.
Appropriate organisational controls:	No special requirements under normal use conditions.

Personal protective equipment

Eye / face protection:	No special requirements under normal use conditions.
Hand protection:	No special requirements under normal use conditions.
Body protection:	No special requirements under normal use conditions.
Respiratory protection:	Respiratory protection is not normally required. However, inhalation of vapour, spray, gas or aerosols should be avoided.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

	Method / remark
Physical state: Aerosol	
Colour: Milky , White	
Odour: Product specific Solvent	
Odour threshold: Not applicable	
pH: ≈ 7 (neat)	ISO 4316
Melting point/freezing point (°C): Not determined	Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined	Not applicable as product is an aerosol
Flammability (liquid): Not applicable. Not flammable.	
Flash point (°C): Not applicable as product is an aerosol	closed cup
Sustained combustion: Not applicable. *(UN Manual of Tests and Criteria, section 32, L.2)*	
Evaporation rate: Not determined	Not relevant to classification of this product
Flammability (solid, gas): Not determined	
Lower and upper explosion limit/flammability limit (%): Not determined	
Vapour pressure: Not determined	
Relative density: ≈ 0.96 (20 °C)	OECD 109 (EU A.3)
Relative vapour density: Not determined.	Not relevant to classification of this product
Particle characteristics: No data available.	Not applicable to liquids.
Solubility in / Miscibility with water: Not miscible or difficult to mix	
Partition coefficient: n-octanol/water No information available.	

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Autoignition temperature: Not determined
Decomposition temperature: Not applicable.

Kinematic viscosity: Not determined
Explosive properties: Not explosive. Vapours may form explosive mixtures with air.
Oxidising properties: Not oxidising.

9.2 Other information
Surface tension (N/m): Not determined
Corrosion to metals: Not corrosive

SECTION 10: Stability and reactivity

10.1 Reactivity
No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability
Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions
No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid
None known under normal storage and use conditions.

10.5 Incompatible materials
None known under normal use conditions.

10.6 Hazardous decomposition products
None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

No data is available on the mixture .

Substance data, where relevant and available, are listed below:.

Acute toxicity
Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
distillates (petroleum), hydrotreated light		No data available			
butane		No data available			
propane		No data available			
Polyglycerol ester of oleic acid		No data available			
sodium benzoate	LD_{50}	> 2000	Rat	Weight of evidence	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
distillates (petroleum), hydrotreated light		No data available			
butane		No data available			
propane		No data available			
Polyglycerol ester of oleic acid		No data available			
sodium benzoate	LD_{50}	> 2000	Rabbit	Method not given	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
distillates (petroleum), hydrotreated light		No data available			
butane		No data			

		available			
propane		No data available			
Polyglycerol ester of oleic acid		No data available			
sodium benzoate	LC_{50}	> 12.2	Rat	Method not given	4

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
distillates (petroleum), hydrotreated light	No data available			
butane	No data available			
propane	No data available			
Polyglycerol ester of oleic acid	No data available			
sodium benzoate	Not irritant	Rabbit	OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
distillates (petroleum), hydrotreated light	No data available			
butane	No data available			
propane	No data available			
Polyglycerol ester of oleic acid	No data available			
sodium benzoate	Irritant	Rabbit	OECD 405 (EU B.5)	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
distillates (petroleum), hydrotreated light	No data available			
butane	No data available			
propane	No data available			
Polyglycerol ester of oleic acid	No data available			
sodium benzoate	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
distillates (petroleum), hydrotreated light	No data available			
butane	No data available			
propane	No data available			
Polyglycerol ester of oleic acid	No data available			
sodium benzoate	Not sensitising	Guinea pig Mouse	Read across	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
distillates (petroleum), hydrotreated light	No data available			
butane	No data available			
propane	No data available			
Polyglycerol ester of oleic acid	No data available			
sodium benzoate	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
distillates (petroleum), hydrotreated light	No data available		No data available	
butane	No data available		No data available	
propane	No data available		No data available	
Polyglycerol ester of oleic acid	No data available		No data available	
sodium benzoate	No evidence for mutagenicity	OECD 471 (EU B.12/13)	No evidence for mutagenicity	Method not given

Carcinogenicity

Ingredient(s)	Effect
distillates (petroleum), hydrotreated light	No data available
butane	No data available

propane	No data available
Polyglycerol ester of oleic acid	No data available
sodium benzoate	No evidence for carcinogenicity, negative test results

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
distillates (petroleum), hydrotreated light			No data available				
butane			No data available				
propane			No data available				
Polyglycerol ester of oleic acid			No data available				
sodium benzoate	NOAEL	Developmental toxicity	≥ 175	Mouse Rat Rabbit	Not known		No developmental toxicity

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
distillates (petroleum), hydrotreated light		No data available				
butane		No data available				
propane		No data available				
Polyglycerol ester of oleic acid		No data available				
sodium benzoate		No data available				

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
distillates (petroleum), hydrotreated light		No data available				
butane		No data available				
propane		No data available				
Polyglycerol ester of oleic acid		No data available				
sodium benzoate		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
distillates (petroleum), hydrotreated light		No data available				
butane		No data available				
propane		No data available				
Polyglycerol ester of oleic acid		No data available				
sodium benzoate		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
distillates (petroleum), hydrotreated light			No data available					
butane			No data available					
propane			No data available					
Polyglycerol ester of oleic acid			No data available					
sodium benzoate			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)

distillates (petroleum), hydrotreated light	No data available
butane	No data available
propane	No data available
Polyglycerol ester of oleic acid	No data available
sodium benzoate	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
distillates (petroleum), hydrotreated light	No data available
butane	No data available
propane	No data available
Polyglycerol ester of oleic acid	No data available
sodium benzoate	No data available

Aspiration hazard
Substances with an aspiration hazard (H304), if any, are listed in section 3. If relevant, see section 9 for dynamic viscosity and relative density of the product.

Potential adverse health effects and symptoms
Effects and symptoms related to the product, if any, are listed in subsection 4.2.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture .

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity
Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
distillates (petroleum), hydrotreated light	LC_{50}	3.5	*Oncorhynchus mykiss*	OECD 203, semi-static	96
butane		No data available			
propane		No data available			
Polyglycerol ester of oleic acid		No data available			
sodium benzoate	LC_{50}	> 100	*Pimephales promelas*	Similar to OECD 203	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
distillates (petroleum), hydrotreated light	EC_{50}	1.4	*Daphnia magna Straus*	OECD 202, static	48
butane		No data available			
propane		No data available			
Polyglycerol ester of oleic acid		No data available			
sodium benzoate	EC_{50}	> 100	*Daphnia magna Straus*	Non guideline test	96

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
distillates (petroleum), hydrotreated light	EC_{50}	1.5	*Pseudokirchneriella subspicatata*	OECD 201, static	72
butane		No data available			
propane		No data available			
Polyglycerol ester of oleic acid		No data available			
sodium benzoate	EC_{50}	> 30.5	*Not specified*	OECD 201 (EU C.3)	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
distillates (petroleum), hydrotreated light		No data available			
butane		No data available			
propane		No data available			
Polyglycerol ester of oleic acid		No data available			
sodium benzoate		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
distillates (petroleum), hydrotreated light		No data available			
butane		No data available			
propane		No data available			
Polyglycerol ester of oleic acid		No data available			
sodium benzoate	EC_{50}	> 100	*Achromobacter sp.*	Method not given	24 hour(s)

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
distillates (petroleum), hydrotreated light		No data available				
butane		No data available				
propane		No data available				
Polyglycerol ester of oleic acid		No data available				
sodium benzoate	NOEC	10			144 hour(s)	

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
distillates (petroleum), hydrotreated light		No data available				
butane		No data available				
propane		No data available				
Polyglycerol ester of oleic acid		No data available				
sodium benzoate		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT_{50}	Method	Evaluation
distillates (petroleum), hydrotreated light					Inherently biodegradable.
butane					Readily biodegradable
propane					Readily biodegradable
Polyglycerol ester of oleic acid					Not readily biodegradable.
sodium benzoate		CO_2 production		OECD 301B	Readily biodegradable

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
distillates (petroleum), hydrotreated light	No data available			
butane	No data available			
propane	No data available			
Polyglycerol ester of oleic acid	No data available			
sodium benzoate	1.88	Method not given	No bioaccumulation expected	

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
distillates (petroleum), hydrotreated light	No data available				
butane	No data available				
propane	No data available				
Polyglycerol ester of oleic acid	No data available				
sodium benzoate	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
distillates (petroleum), hydrotreated light	No data available				
butane	No data available				
propane	No data available				
Polyglycerol ester of oleic acid	No data available				
sodium benzoate	No data available				

12.5 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products: The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

Empty packaging Recommendation: Dispose of observing national or local regulations.

SECTION 14: Transport information

Land transport, Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)
14.1 UN number: 1950
14.2 UN proper shipping name:
Aerosols
14.3 Transport hazard class(es):
Transport hazard class (and subsidiary risks): 2.1
14.4 Packing group: II
14.5 Environmental hazards:
Environmentally hazardous: No
Marine pollutant: No
14.6 Special precautions for user: None known.
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: The product is not transported in bulk tankers.

Other relevant information:
EmS: F-D, S-U

Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations
• Decree 108/2008/NP-CP Circular No.: 04/2012/TT-BCT Regulations on the Classification and Labeling of Chemicals

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

SDS code: MS4800091 **Version:** 01.1 **Revision:** 2024-10-22

Reason for revision:
1, Not applicable

Abbreviations and acronyms:
• DNEL - Derived No Effect Limit
• PNEC - Predicted No Effect Concentration
• ATE - Acute Toxicity Estimate
• LD50 - Lethal Dose, 50% / Median Lethal dose
• LC50 - Lethal Concentration, 50% / Median Lethal Concentration
• EC50 - effective concentration, 50%
• NOEL - No observed effect level
• NOAEL - No observed adverse effect level
• STOT-RE - Specific target organ toxicity (repeated exposure)
• STOT-SE - Specific target organ toxicity (single exposure)
• OECD - Organisation for Economic Cooperation and Development
• H220 - Extremely flammable gas.
• H227 - Combustible liquid.
• H280 - Contains gas under pressure; may explode if heated.
• H304 - May be fatal if swallowed and enters airways.
• H315 - Causes skin irritation.
• H319 - Causes serious eye irritation.
• H336 - May cause drowsiness or dizziness.
• H411 - Toxic to aquatic life with long lasting effects.

End of Safety Data Sheet