

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

1 Identification

- **Product Identifier**
- **Trade Name:** *NeoStrata Oily Skin Solution*
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0
- **Product Number:** FLA#: 022-097
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Cosmetics, personal care products
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
NeoStrata Company Inc.
307 College Road East
Princeton, NJ 08540
Phone: +1-609-520-0715
Fax: +1-609-986-1928
www.neostrata.com
- Responsible Person: NeoStrata UG, DE-41470 Neuss
- **Emergency telephone number:** Chemtrec 1-800-424-9300 or outside USA 1-703-527-3887

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



STOT SE 3 H335 May cause respiratory irritation.

Aquatic Acute 3 H402 Harmful to aquatic life.

- **Label elements:**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS02



GHS05



GHS07

- **Signal word:** Danger

(Contd. on page 2)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

· **Hazard-determining components of labeling:**

Glycolic acid
Denatured Ethanol
Ammonium Hydroxide

· **Hazard statements:**

H226 Flammable liquid and vapor.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H402 Harmful to aquatic life.

· **Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P330 Rinse mouth.
P302+P352 If on skin: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a poison center/doctor if you feel unwell.
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.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Unknown acute toxicity:**

0 % of the mixture consists of component(s) of unknown toxicity.

· **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of substances listed below with non-hazardous additions.

· **Dangerous Components:**

CAS: 64-17-5	Ethanol	15-35%
RTECS: KQ 6300000	⚠ Flam. Liq. 2, H225; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	

(Contd. on page 3)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

CAS: 79-14-1 RTECS: MC 5250000	Glycolic acid ⚠ Skin Corr. 1A, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	5-10%
CAS: 57-55-6 RTECS: TY 2000000	Propylene Glycol Eye Irrit. 2B, H320	2-12%
CAS: 1336-21-6	Ammonium Hydroxide vPvB ⚠ Acute Tox. 3, H331; ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; ⚠ Acute Tox. 4, H302	≤2.5%
CAS: 18472-51-0	D-gluconic acid, compound with N,N"-bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediamidine (2:1) ⚠ Aquatic Chronic 1, H410	≤2.5%

4 First-Aid Measures

- **Description of first aid measures**
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Generally the product does not irritate the skin.
If skin irritation occurs, consult a doctor.
- **After eye contact:**
If easy to do so, remove contact lenses if worn.
Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes.
Have eyes examined and tested by medical personnel.
Get immediate medical attention.
- **After swallowing:** If swallowed and symptoms occur, consult a doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Special protective equipment for firefighters:** No special measures required.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Prevent seepage into sewage system, workpits and cellars.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

(Contd. on page 4)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· PAC-1:		
64-17-5	Ethanol	1,800 ppm
79-14-1	Glycolic acid	25 mg/m ³
57-55-6	Propylene Glycol	30 mg/m ³
1336-21-6	Ammonium Hydroxide	61 ppm
64-02-8	Tetrasodium ethylenediaminetetraacetate	75 mg/m ³
· PAC-2:		
64-17-5	Ethanol	3300* ppm
79-14-1	Glycolic acid	280 mg/m ³
57-55-6	Propylene Glycol	1,300 mg/m ³
1336-21-6	Ammonium Hydroxide	330 ppm
64-02-8	Tetrasodium ethylenediaminetetraacetate	830 mg/m ³
· PAC-3:		
64-17-5	Ethanol	15000* ppm
79-14-1	Glycolic acid	390 mg/m ³
57-55-6	Propylene Glycol	7,900 mg/m ³
1336-21-6	Ammonium Hydroxide	2,300 ppm
64-02-8	Tetrasodium ethylenediaminetetraacetate	5,000 mg/m ³

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Specific end use(s):** No further relevant information available.

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**

· **Components with occupational exposure limits:**

64-17-5 Ethanol

PEL	Long-term value: 1900 mg/m ³ , 1000 ppm
REL	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1880 mg/m ³ , 1000 ppm

57-55-6 Propylene Glycol

WEEL	Long-term value: 10 mg/m ³
------	---------------------------------------

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
- **Protection of hands:** Not required.
- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:**



Tightly sealed goggles required in a manufacturing setting only.

- **Limitation and supervision of exposure into the environment:** None

9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Liquid
 - Color:** Clear
- **Odour:** Characteristic
- **Odor threshold:** Not determined.
- **pH-value @ 20 °C (68 °F):** 3.6-4.2
- **Change in condition**
 - Melting point/Melting range:** Not determined.

(Contd. on page 6)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

- Boiling point/Boiling range:** Undetermined.
- **Flash point:** 35 °C (95 °F) (closed cup)
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:** 425 °C (797 °F)
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not self-igniting.
- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- **Explosion limits:**
 - Lower:** 0.0 Vol %
 - Upper:** 15.0 Vol %
- **Vapor pressure @ 20 °C (68 °F):** 59 hPa (44.3 mm Hg)
- **Density @ 25 °C (77 °F):** 0.97 g/cm³ (8.0947 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
 - Water:** Miscible
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - Organic solvents:** 25.0 %
 - VOC content:** 35.0 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:**
 - No further relevant information available.
 - The product is stable under normal conditions
 - No further relevant information available.
- **Chemical stability:**
 - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
 - **Possibility of hazardous reactions:** No dangerous reactions known.
 - **Conditions to avoid:** Heat, flame and ignition sources.
 - **Incompatible materials:** No further relevant information available.
 - **Hazardous decomposition products:** No dangerous decomposition products known.

(Contd. on page 7)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

79-14-1 Glycolic acid

Oral LD50 1950 mg/kg (Rat)

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**

Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans
Group 2B - Possibly carcinogenic to humans
Group 3 - Not classifiable as to its carcinogenicity to humans
Group 4 - Probably not carcinogenic to humans

The IARC (the International Agency for Research on Cancer) concluded that ethanol found alcoholic beverages to be Group 1 - Carcinogenic to humans. All other instances it is not consider carcinogenic.

64-17-5 Ethanol	1
-----------------	---

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

12 Ecological Information

- **Toxicity:**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.

- **vPvB:**

1336-21-6 Ammonium Hydroxide

- **Other adverse effects:** No further relevant information available.

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

***14 Transport Information**

- **UN-Number:** UN1993
- **DOT, ADR/ADN, IMDG, IATA:** Limited Quantity, Consumer Commodity
- **UN proper shipping name:** Flammable liquids, n.o.s. (Ethanol, Glycolic acid)
- **DOT:** UN1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), Glycolic acid)
- **ADR/ADN:** FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), Glycolic acid), MARINE POLLUTANT
- **IMDG:** FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), Glycolic acid), MARINE POLLUTANT
- **IATA:** FLAMMABLE LIQUID, N.O.S. (ETHANOL, Glycolic acid)
- **Transport hazard class(es):**
- **DOT:**



- **Class:** 3 Flammable liquids
- **Label:** 3

· **ADR/ADN**



- **Class:** 3 (F1) Flammable liquids

(Contd. on page 9)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

· **Label:** 3

· **IMDG**



Limited Quantity

· **Class:** 3 Flammable liquids
 · **Label:** 3+ID8000

· **IATA**



Limited Quantity

· **Class:** 3 Flammable liquids
 · **Label:** 3+ID8000
 · **Packing group:**
 · **DOT, ADR/ADN, IMDG, IATA** III
 · **Environmental hazards:** Not applicable.
 · **Special precautions for user:** Warning: Flammable liquids
 · **Danger code (Kemler):** 30
 · **EMS Number:** F-E,S-E
 · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
 · **Transport/Additional information:**
 · **DOT**
 · **Quantity limitations:** On passenger aircraft/rail: 60 L
 On cargo aircraft only: 220 L
 · **Remarks:** Special marking with the symbol (fish and tree).

· **ADR/ADN**
 · **Excepted quantities (EQ):** Code: E1
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 1000 ml

· **IMDG**

· **Limited quantities (LQ):** 5L

(Contd. on page 10)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

- **Excepted quantities (EQ):** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL), GLYCOLIC ACID), 3, III

15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

· Section 355 (extremely hazardous substances):
None of the ingredients are listed.

· Section 313 (Specific toxic chemical listings):
1336-21-6 Ammonium Hydroxide

· TSCA (Toxic Substances Control Act):
All ingredients are listed or exempt from listing.

· California Proposition 65:
· Chemicals known to cause cancer:
None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for females:
None of the ingredients are listed.

· Chemicals known to cause reproductive toxicity for males:
None of the ingredients are listed.

· Chemicals known to cause developmental toxicity:
64-17-5 Ethanol

· New Jersey Right-to-Know List:
64-17-5 Ethanol
57-55-6 Propylene Glycol
1336-21-6 Ammonium Hydroxide

· New Jersey Special Hazardous Substance List:	
64-17-5 Ethanol	CA, MU, TE, F3
1336-21-6 Ammonium Hydroxide	CO

· Pennsylvania Right-to-Know List:
64-17-5 Ethanol
57-55-6 Propylene Glycol
1336-21-6 Ammonium Hydroxide

· Pennsylvania Special Hazardous Substance List:	
1336-21-6 Ammonium Hydroxide	E

- **Carcinogenic categories:**
- **EPA (Environmental Protection Agency):**
| None of the ingredients are listed. |

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

· TLV (Threshold Limit Value established by ACGIH):	
64-17-5 Ethanol	A3
· NIOSH-Ca (National Institute for Occupational Safety and Health):	
None of the ingredients are listed.	

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Glycolic acid
Denatured Ethanol
Ammonium Hydroxide

· **Hazard statements:**

H226 Flammable liquid and vapor.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H402 Harmful to aquatic life.

· **Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P301+P310 If swallowed: Immediately call a poison center/doctor.
P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P330 Rinse mouth.
P302+P352 If on skin: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a poison center/doctor if you feel unwell.
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.
P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.

(Contd. on page 12)

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/10/2019

Reviewed on 01/10/2019

Trade Name: NeoStrata Oily Skin Solution
NeoStrata Professional Pore Clearing Solution
Exuviance Clarifying Solution
Exuviance Professional Clarifying Solution
RoC Oil Control Glycolic 8.0

P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

None of the ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision:** 01/10/2019 / 15

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1