

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

1 Identification

- **Product identifier**
- **Trade name:** Color Perfect Family SDS
- **Article number:**
 96987050 Color Perfect 7N
 96987381 Color Perfect 12N
 96989295 Color Perfect T9B
 96989314 Color Perfect T11A
 96990234 Color Perfect 5G
 96990315 Color Perfect 6G
 96999019 Color Perfect 3RV
 96999883 Color Perfect 6RR
- **Application of the substance / the mixture** Hair dye
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Coty Cosmetics, Inc.
 4500 Park Granada
 Calabasas, CA 91302
 USA
- **Information department:** Coty SDS Info Team
- **Emergency telephone number:**
 CHEMTREC Emergency number: +1-703-527-3887
 CHEMTREC US/NA Emergency number(toll free): 800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 1)

· **Hazard pictograms**

GHS02 GHS05 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labeling:**

2-[2-(dodecyloxy)ethoxy]ethanol
 2-methyl-p-phenylenediamine sulphate
 ammonia, anhydrous
 4-AMINO-M-CRESOL

· **Hazard statements**

Flammable liquid and vapor.
Harmful if swallowed.
Causes skin irritation.
Causes serious eye damage.
May cause an allergic skin reaction.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Call a poison center/doctor if you feel unwell.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a poison center/doctor.
Specific treatment (see on this label).
Rinse mouth.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
In case of fire: Use for extinction: CO2, powder or water spray.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**· **NFPA ratings (scale 0 - 4)**

Health = 3
 Fire = 3
 Reactivity = 0

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 2)

· **HMIS-ratings (scale 0 - 4)**

HEALTH	*3	Health = *3
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

3055-93-4	2-[2-(dodecyloxy)ethoxy]ethanol	>10-≤25%
112-80-1	Oleic Acid	>10-<20%
67-63-0	isopropyl alcohol	>2.5-<10%
7664-41-7	ammonia, anhydrous	>2.5-<5%
56-81-5	glycerol	>2.5-≤10%
615-50-9	2-methyl-p-phenylenediamine sulphate	≥1-≤2.5%
	4-AMINO-M-CRESOL	≥0.1-<1%

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** Immediately call 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, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 3)

- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **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:**

112-80-1	Oleic Acid	220 mg/m ³
67-63-0	isopropyl alcohol	400 ppm
7664-41-7	ammonia, anhydrous	30 ppm
56-81-5	glycerol	45 mg/m ³
151-21-3	sodium dodecyl sulphate	3.9 mg/m ³
	RESORCINOL	20 ppm
7757-83-7	sodium sulphite	11 mg/m ³
139-33-3	Disodium EDTA	11 mg/m ³
	m-Aminophenol	3 mg/m ³
90-15-3	1-naphthol	2.2 mg/m ³
1310-73-2	sodium hydroxide	0.5 mg/m ³
5989-27-5	Limonene	15 ppm
4602-84-0	Farnesol	18 mg/m ³

· **PAC-2:**

112-80-1	Oleic Acid	2,400 mg/m ³
67-63-0	isopropyl alcohol	2000* ppm
7664-41-7	ammonia, anhydrous	160 ppm
56-81-5	glycerol	180 mg/m ³
151-21-3	sodium dodecyl sulphate	43 mg/m ³
	RESORCINOL	28 ppm
7757-83-7	sodium sulphite	120 mg/m ³
139-33-3	Disodium EDTA	120 mg/m ³
	m-Aminophenol	33 mg/m ³
90-15-3	1-naphthol	25 mg/m ³
1310-73-2	sodium hydroxide	5 mg/m ³
5989-27-5	Limonene	67 ppm
4602-84-0	Farnesol	200 mg/m ³

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 4)

· PAC-3:		
112-80-1	Oleic Acid	15,000 mg/m ³
67-63-0	isopropyl alcohol	12000** ppm
7664-41-7	ammonia, anhydrous	1,100 ppm
56-81-5	glycerol	1,100 mg/m ³
151-21-3	sodium dodecyl sulphate	260 mg/m ³
	RESORCINOL	170 ppm
7757-83-7	sodium sulphite	710 mg/m ³
139-33-3	Disodium EDTA	730 mg/m ³
	m-Aminophenol	200 mg/m ³
90-15-3	1-naphthol	450 mg/m ³
1310-73-2	sodium hydroxide	50 mg/m ³
5989-27-5	Limonene	170 ppm
4602-84-0	Farnesol	1,200 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 against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.
At this time, the other constituents have no known exposure limits.

67-63-0 isopropyl alcohol

PEL	Long-term value: 980 mg/m ³ , 400 ppm
-----	--

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 5)

REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm BEI

7664-41-7 ammonia, anhydrous

PEL	Long-term value: 35 mg/m ³ , 50 ppm
REL	Short-term value: 27 mg/m ³ , 35 ppm Long-term value: 18 mg/m ³ , 25 ppm
TLV	Short-term value: 24 mg/m ³ , 35 ppm Long-term value: 17 mg/m ³ , 25 ppm

56-81-5 glycerol

PEL	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
TLV	TLV withdrawn-insufficient data human occup. exp.

· Ingredients with biological limit values:**67-63-0 isopropyl alcohol**

BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
-----	---

· **Additional information:** The lists that were valid during the creation 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.
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.

· 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:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 6)

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Color:	According to product specification
Odor:	Characteristic
Odor threshold:	Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

· Flash point: 35 °C (95 °F)

· Flammability (solid, gaseous): Not applicable.

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapor pressure at 20 °C (68 °F): 23 hPa (17.3 mm Hg)

· Density: Not determined.

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

· Solvent content:

Organic solvents:	10.7 %
Water:	30.5 %
VOC content:	7.81 %
	78.1 g/l / 0.65 lb/gal

(Contd. on page 8)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 7)

- | | |
|--------------------------|--|
| Solids content: | 3.2 % |
| Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity** 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** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

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

LD/LC50 values that are relevant for classification:		
3055-93-4 2-[2-(dodecyloxy)ethoxy]ethanol		
Oral	LD50	500 mg/kg (rat)
112-80-1 Oleic Acid		
Oral	LD50	>2,000 mg/kg (rat) (bw)
Dermal	LD50	>2,150 mg/kg (rabbit) (bw)
67-63-0 isopropyl alcohol		
Oral	LD50	5,840 mg/kg (rat) (bw (//OECD 401))
Dermal	LD50	12,956 mg/kg (rabbit) (bw (//OECD 402))
Inhalative	LC50/4 h	>24.578 mg/l (rat) (air (//OECD 403))
7664-41-7 ammonia, anhydrous		
Oral	LD50	350 mg/kg (rat)
Inhalative	LC50/4 h	2,000 mg/l (rat)
56-81-5 glycerol		
Oral	LD50	23,000 mg/kg (rat)
Dermal	LD50	56,745 mg/kg (rabbit)
Inhalative	LC50/4 h	4,655 mg/l (rat)
615-50-9 2-methyl-p-phenylenediamine sulphate		
Oral	LD50	102 mg/kg (rat) (bw)
Dermal	LD50	1,100 mg/kg (rabbit)
Inhalative	LC50/4 h	1.77 mg/l (rat) (air (QSAR))
4-AMINO-M-CRESOL		
Oral	LD50	1,200 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Sensitization:** Sensitization possible through skin contact.

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 8)

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

67-63-0	isopropyl alcohol	3
	RESORCINOL	3
5989-27-5	Limonene	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is 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:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

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 packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· **DOT, IMDG, IATA**

UN1266

· **UN proper shipping name**

· **DOT**

Perfumery products

(Contd. on page 10)

Safety Data Sheet



acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 9)

· IMDG, IATA	PERFUMERY PRODUCTS
· Transport hazard class(es)	
· DOT	
	
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
	
· Class	3 Flammable liquids
· Label	3
· Packing group	
· DOT, IMDG, IATA	III
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E,S-D
· Segregation groups	Alkalis
· Stowage Category	A
· 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
· IMDG	
· Limited quantities (LQ)	5L
· 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 1266 PERFUMERY PRODUCTS, 3, III

15 Regulatory information

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

· **Section 355 (extremely hazardous substances):**

7664-41-7	ammonia, anhydrous
-----------	--------------------

(Contd. on page 11)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 10)

· Section 313 (Specific toxic chemical listings):		
67-63-0	isopropyl alcohol	
7664-41-7	ammonia, anhydrous	
· TSCA (Toxic Substances Control Act):		
7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
3055-93-4	2-[2-(dodecyloxy)ethoxy]ethanol	ACTIVE
112-80-1	Oleic Acid	ACTIVE
67762-27-0	Cetearyl Alcohol	ACTIVE
67-63-0	isopropyl alcohol	ACTIVE
7664-41-7	ammonia, anhydrous	ACTIVE
56-81-5	glycerol	ACTIVE
33939-64-9	poly(oxy-1,2-ethanediyl), α -(carboxymethyl)- ω -(dodecyloxy)-, sodium salt (1:1)	ACTIVE
91031-31-1	Fatty acids, C16-18, esters with ethylene glycol	ACTIVE
615-50-9	2-methyl-p-phenylenediamine sulphate	ACTIVE
151-21-3	sodium dodecyl sulphate	ACTIVE
50-81-7	ascorbic acid	ACTIVE
	RESORCINOL	ACTIVE
7757-83-7	sodium sulphite	ACTIVE
	4-AMINO-M-CRESOL	ACTIVE
139-33-3	Disodium EDTA	ACTIVE
	m-Aminophenol	ACTIVE
90-15-3	1-naphthol	ACTIVE
78-70-6	Linalool	ACTIVE
6358-09-4	Phenol, 2-amino-6-chloro-4-nitro-	INACTIVE
1310-73-2	sodium hydroxide	ACTIVE
106-22-9	Citronellol	ACTIVE
	2-Methylresorcinol	ACTIVE
5989-27-5	Limonene	ACTIVE
106-24-1	Geraniol	ACTIVE
101-86-0	Hexyl cinnamal	ACTIVE
5392-40-5	Citral	ACTIVE
118-58-1	benzyl salicylate	ACTIVE
4602-84-0	Farnesol	ACTIVE

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

(Contd. on page 12)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 11)

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

67-63-0	isopropyl alcohol	A4
	RESORCINOL	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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

· **Hazard pictograms**



GHS02

GHS05

GHS07

· **Signal word** Danger

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

2-[2-(dodecyloxy)ethoxy]ethanol

2-methyl-p-phenylenediamine sulphate

ammonia, anhydrous

4-AMINO-M-CRESOL

· **Hazard statements**

Flammable liquid and vapor.

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Call a poison center/doctor if you feel unwell.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Immediately call a poison center/doctor.

Specific treatment (see on this label).

Rinse mouth.

Take off contaminated clothing and wash it before reuse.

(Contd. on page 13)

Safety Data Sheet

acc. to OSHA HCS

Printing date 02/04/2020

Reviewed on 01/28/2020

Trade name: Color Perfect Family SDS

(Contd. of page 12)

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use for extinction: CO₂, powder or water spray.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Abteilung Umweltschutz

· **Contact:** Hr. Dr. Speckbacher

· **Date of preparation / last revision** 02/04/2020 / -

· **Abbreviations and acronyms:**

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1