

1 Identification

- **Product identifier**
- **Trade name:** Bariline 711 Semi Gloss Alkyd Enamel Yellows
- **Article number:** 711YXXX
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Baril Coatings USA, LLC
401 Growth Parkway
Angola, IN 46703
- **Information department:** Product safety department
- **Emergency telephone number:** During normal opening times: +1 (260) 665-8431

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Muta. 1B H340 May cause genetic defects.

Carc. 1A H350 May cause cancer.

Repr. 1A H360 May damage fertility or the unborn child.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Danger

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

C.I. Pigment Yellow 53

Naphtha (petroleum), hydrotreated heavy

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BBP

titanium dioxide

· **Hazard statements***Highly flammable liquid and vapor.**Causes serious eye irritation.**May cause genetic defects.**May cause cancer.**May damage fertility or the unborn child.*· **Precautionary statements***If medical advice is needed, have product container or label at hand.**Keep out of reach of children.**Read label before use.**Obtain special instructions before use.**Do not handle until all safety precautions have been read and understood.**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.**Wash thoroughly after handling.**Wear protective gloves/protective clothing/eye protection/face protection.**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.**If exposed or concerned: Get medical advice/attention.**If eye irritation persists: Get medical advice/attention.**In case of fire: Use for extinction: CO2, powder or water spray.**Store in a well-ventilated place. Keep cool.**Store locked up.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Classification system:**· **NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 3

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = *2

Fire = 3

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:** Hazardous substances listed below.· **Dangerous components:**

| | | |
|----------|----------------------|----------|
| 110-43-0 | Methyl n-amyl ketone | >10-≤25% |
|----------|----------------------|----------|

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| | | |
|-------------|--|-----------|
| 141-78-6 | ethyl acetate | >2.5-<10% |
| 79-20-9 | methyl acetate | >2.5-<10% |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | >2.5≤10% |
| 123-86-4 | n-butyl acetate | >2.5≤10% |
| 13463-67-7 | titanium dioxide | >2.5≤10% |
| 8007-18-9 | C.I. Pigment Yellow 53 | 0.1-≤2.5% |
| 112926-00-8 | amorphous silica (silica gel, precipitated silica) | ≤2.5% |
| 85-68-7 | BBP | 0.1-≤2.5% |
| 64742-48-9 | Naphtha (petroleum), hydrotreated heavy | 0.1-≤2.5% |
| 100-41-4 | ethylbenzene | 0.1-≤2.5% |

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult 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.
- **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 product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
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).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

Protective Action Criteria for Chemicals**PAC-1:**

| | | |
|-------------|--|-----------------------|
| 110-43-0 | Methyl n-amyl ketone | 150 ppm |
| 141-78-6 | ethyl acetate | 1,200 ppm |
| 79-20-9 | methyl acetate | 250 ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 50 ppm |
| 123-86-4 | n-butyl acetate | 5 ppm |
| 13463-67-7 | titanium dioxide | 30 mg/m ³ |
| 9002-88-4 | Polyethylene low density | 16 mg/m ³ |
| 112926-00-8 | amorphous silica (silica gel, precipitated silica) | 18 mg/m ³ |
| 1330-20-7 | xylene | 130 ppm |
| 85-68-7 | BBP | 15 mg/m ³ |
| 64742-48-9 | Naphtha (petroleum), hydrotreated heavy | 350 mg/m ³ |
| 100-41-4 | ethylbenzene | 33 ppm |
| 1344-28-1 | aluminium oxide | 15 mg/m ³ |
| 111-76-2 | 2-butoxyethanol | 60 ppm |
| 107-98-2 | 1-methoxy-2-propanol | 100 ppm |

PAC-2:

| | | |
|-------------|--|-------------------------|
| 110-43-0 | Methyl n-amyl ketone | 670 ppm |
| 141-78-6 | ethyl acetate | 1,700 ppm |
| 79-20-9 | methyl acetate | 1,700 ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 1,000 ppm |
| 123-86-4 | n-butyl acetate | 200 ppm |
| 13463-67-7 | titanium dioxide | 330 mg/m ³ |
| 9002-88-4 | Polyethylene low density | 170 mg/m ³ |
| 112926-00-8 | amorphous silica (silica gel, precipitated silica) | 200 mg/m ³ |
| 1330-20-7 | xylene | 920* ppm |
| 85-68-7 | BBP | 77 mg/m ³ |
| 64742-48-9 | Naphtha (petroleum), hydrotreated heavy | 1,800 mg/m ³ |
| 100-41-4 | ethylbenzene | 1100* ppm |
| 1344-28-1 | aluminium oxide | 170 mg/m ³ |
| 111-76-2 | 2-butoxyethanol | 120 ppm |
| 107-98-2 | 1-methoxy-2-propanol | 160 ppm |

PAC-3:

| | | |
|-------------|--|-------------------------|
| 110-43-0 | Methyl n-amyl ketone | 4000* ppm |
| 141-78-6 | ethyl acetate | 10000** ppm |
| 79-20-9 | methyl acetate | 10000* ppm |
| 108-65-6 | 2-methoxy-1-methylethyl acetate | 5000* ppm |
| 123-86-4 | n-butyl acetate | 3000* ppm |
| 13463-67-7 | titanium dioxide | 2,000 mg/m ³ |
| 9002-88-4 | Polyethylene low density | 1,000 mg/m ³ |
| 112926-00-8 | amorphous silica (silica gel, precipitated silica) | 1,200 mg/m ³ |
| 1330-20-7 | xylene | 2500* ppm |
| 85-68-7 | BBP | 460 mg/m ³ |

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| | | (Contd. of page 4) |
|------------|---|--------------------------|
| 64742-48-9 | Naphtha (petroleum), hydrotreated heavy | 40,000 mg/m ³ |
| 100-41-4 | ethylbenzene | 1800* ppm |
| 1344-28-1 | aluminium oxide | 990 mg/m ³ |
| 111-76-2 | 2-butoxyethanol | 700 ppm |
| 107-98-2 | 1-methoxy-2-propanol | 660 ppm |

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **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.
- **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 constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

| | |
|--------------------------------------|---|
| 110-43-0 Methyl n-amyl ketone | |
| PEL | Long-term value: 465 mg/m ³ , 100 ppm |
| REL | Long-term value: 465 mg/m ³ , 100 ppm |
| TLV | Long-term value: 233 mg/m ³ , 50 ppm |
| 141-78-6 ethyl acetate | |
| PEL | Long-term value: 1400 mg/m ³ , 400 ppm |
| REL | Long-term value: 1400 mg/m ³ , 400 ppm |
| TLV | Long-term value: 1440 mg/m ³ , 400 ppm |
| 79-20-9 methyl acetate | |
| PEL | Long-term value: 610 mg/m ³ , 200 ppm |
| REL | Short-term value: 760 mg/m ³ , 250 ppm Long-term value: 610 mg/m ³ , 200 ppm |
| TLV | Short-term value: 757 mg/m ³ , 250 ppm Long-term value: 606 mg/m ³ , 200 ppm |

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108-65-6 2-methoxy-1-methylethyl acetate

WEEL Long-term value: 50 ppm

123-86-4 n-butyl acetatePEL Long-term value: 710 mg/m³, 150 ppmREL Short-term value: 950 mg/m³, 200 ppm
Long-term value: 710 mg/m³, 150 ppmTLV Short-term value: 712 mg/m³, 150 ppm
Long-term value: 238 mg/m³, 50 ppm**8007-18-9 C.I. Pigment Yellow 53**PEL Long-term value: 1 mg/m³
as NiREL Long-term value: 0.015 mg/m³
as Ni; See Pocket Guide App. ATLV Long-term value: 0.2 mg/m³
as Ni; inhalable fraction**112926-00-8 amorphous silica (silica gel, precipitated silica)**PEL 20mppcf or 80mg/m³ /%SiO₂REL Long-term value: 6 mg/m³
See Pocket Guide App. C

TLV TLV withdrawn

100-41-4 ethylbenzenePEL Long-term value: 435 mg/m³, 100 ppmREL Short-term value: 545 mg/m³, 125 ppm
Long-term value: 435 mg/m³, 100 ppmTLV Long-term value: 87 mg/m³, 20 ppm
BEI**· Ingredients with biological limit values:****100-41-4 ethylbenzene**BEI 0.7 g/g creatinine
Medium: urine
Time: end of shift at end of workweek
Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)-
Medium: end-exhaled air
Time: not critical
Parameter: Ethyl benzene (semi-quantitative)**· 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.
Store protective clothing separately.**· 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.

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US

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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.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties**Information on basic physical and chemical properties****General Information****Appearance:**

| | |
|------------------------|-----------------|
| Form: | Liquid |
| Color: | Yellow |
| Odor: | Solvent-like |
| Odor threshold: | Not determined. |

pH-value: Not determined.

Change in condition

| | |
|-------------------------------------|------------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | 57 °C (134.6 °F) |

Flash point: 10 °C (50 °F)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: 315 °C (599 °F)

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: | 1 Vol % |
| Upper: | 5.5 Vol % |

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| | |
|---|--|
| · Vapor pressure at 20 °C (68 °F): | 3.5 hPa (2.6 mm Hg) |
| · Density at 20 °C (68 °F): | 1.07 g/cm ³ (8.93 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: | 37.3 % |
| VOC content: | 37.26 % 398.7 g/l / 3.33 lb/gal |
| · Solids content: | 54.1 % (by weight) |
| · 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: | | |
| 110-43-0 Methyl n-amyl ketone | | |
| Oral | LD50 | 1,670 mg/kg (rat) |
| Dermal | LD50 | 12,600 mg/kg (rabbit) |
| 85-68-7 BBP | | |
| Oral | LD50 | 2,330 mg/kg (rat) |
| 64742-48-9 Naphtha (petroleum), hydrotreated heavy | | |
| Oral | LD50 | >5,000 mg/kg (rat) |
| Dermal | LD50 | >3,000 mg/kg (rab) |

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

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· **Additional toxicological information:**

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

Carcinogenic.

The product can cause inheritable damage.

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

| | | |
|------------|--------------------------|----|
| 13463-67-7 | titanium dioxide | 2B |
| 8007-18-9 | C.I. Pigment Yellow 53 | 1 |
| 9002-88-4 | Polyethylene low density | 3 |
| 1330-20-7 | xylene | 3 |
| 85-68-7 | BBP | 3 |
| 100-41-4 | ethylbenzene | 2B |
| 111-76-2 | 2-butoxyethanol | 3 |

· **NTP (National Toxicology Program)**

| | | |
|-----------|------------------------|---|
| 8007-18-9 | C.I. Pigment Yellow 53 | K |
|-----------|------------------------|---|

· **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.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **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.

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

Harmful to aquatic organisms

· **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.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN1263

- **UN proper shipping name**
- **DOT** Paint
- **IMDG, IATA** PAINT

- **Transport hazard class(es)**
- **DOT**



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

- **IMDG, IATA**



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

- **Packing group**
- **DOT, IMDG, IATA** II

- **Environmental hazards:** Not applicable.

- **Special precautions for user** Warning: Flammable liquids
- **Danger code (Kemler):** 33
- **EMS Number:** F-E, S-E
- **Stowage Category** B

- **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: 5 L
On cargo aircraft only: 60 L

- **IMDG**
- **Limited quantities (LQ)** 5L
- **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml

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· UN "Model Regulation": UN 1263 PAINT, 3, II

15 Regulatory information

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

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

8007-18-9 C.I. Pigment Yellow 53

1330-20-7 xylene

100-41-4 ethylbenzene

1344-28-1 aluminium oxide

111-76-2 2-butoxyethanol

· TSCA (Toxic Substances Control Act):

110-43-0 Methyl n-amyl ketone

141-78-6 ethyl acetate

79-20-9 methyl acetate

108-65-6 2-methoxy-1-methylethyl acetate

123-86-4 n-butyl acetate

13463-67-7 titanium dioxide

8007-18-9 C.I. Pigment Yellow 53

9002-88-4 Polyethylene low density

1330-20-7 xylene

85-68-7 BBP

64742-48-9 Naphtha (petroleum), hydrotreated heavy

100-41-4 ethylbenzene

1344-28-1 aluminium oxide

68457-74-9 phenol, isobutylated, methylstyrenated

111-76-2 2-butoxyethanol

107-98-2 1-methoxy-2-propanol

64742-95-6 Solvent naphtha (petroleum), light arom.

· TSCA new (21st Century Act) (Substances not listed)

112926-00-8 amorphous silica (silica gel, precipitated silica)

· Proposition 65

· Chemicals known to cause cancer:

13463-67-7 titanium dioxide

8007-18-9 C.I. Pigment Yellow 53

100-41-4 ethylbenzene

· 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.

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

85-68-7 | BBP

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

| | | |
|-----------|-----------------|----|
| 1330-20-7 | xylene | I |
| 85-68-7 | BBP | C |
| 100-41-4 | ethylbenzene | D |
| 111-76-2 | 2-butoxyethanol | NL |

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

| | | |
|------------|------------------------|----|
| 13463-67-7 | titanium dioxide | A4 |
| 8007-18-9 | C.I. Pigment Yellow 53 | A4 |
| 1330-20-7 | xylene | A4 |
| 100-41-4 | ethylbenzene | A3 |
| 1344-28-1 | aluminium oxide | A4 |
| 111-76-2 | 2-butoxyethanol | A3 |

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

| | |
|------------|------------------------|
| 13463-67-7 | titanium dioxide |
| 8007-18-9 | C.I. Pigment Yellow 53 |

· **GHS label elements**

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

· **Hazard pictograms**

GHS02 GHS07 GHS08

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

C.I. Pigment Yellow 53
Naphtha (petroleum), hydrotreated heavy
BBP
titanium dioxide

· **Hazard statements**

Highly flammable liquid and vapor.
Causes serious eye irritation.
May cause genetic defects.
May cause cancer.
May damage fertility or the unborn child.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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.

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Take precautionary measures against static discharge.

Wash thoroughly after handling.

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

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.

IF exposed or concerned: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

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

Store in a well-ventilated place. Keep cool.

Store locked up.

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

• **National regulations:**

• **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

• **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:** Environment protection department.

• **Contact:** Mr. Williams

• **Date of preparation / last revision** 08/25/2025 / -

• **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. 2: Flammable liquids – Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

Muta. 1B: Germ cell mutagenicity – Category 1B

Carc. 1A: Carcinogenicity – Category 1A

Repr. 1A: Reproductive toxicity – Category 1A