SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture

1.1. Product identifier: Ikonikolor Pro (Super Jet Black)

1.2. Relevant identified uses of the substance or mixture and uses advised against
Product type and use: Painting product for car refinish and industrial job-professional use-

1.3. Details of the supplier of the safety data sheet

Supplier: Modern Recreational Technologies, Inc.
7625 Thorndike Rd.
Greensboro, NC 27409

1.4. Emergency telephone number: Chemtrec: +1-800-424-9300 USA
Chemtrec: +1-703-527-3887 ex-USA
24 hrs./day, 7 days/week

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
EC regulation criteria 1272/2008 (CLP):
- Warning, Flam. Liq. 3, Flammable liquid and vapour.
- Warning, Skin Irrit. 2, Causes skin irritation.
- Danger, Eye Dam. 1, Causes serious eye damage.
- Warning, Skin Sens. 1, May cause an allergic skin reaction.
- Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:
No other hazards

2.2. Label elements
Hazard pictograms:



Danger
Hazard statements:
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
Precautionary statements:
P210 Keep away from heat - No smoking.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor/...
P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.

P391 Collect spillage.
P403+P235 Store in a well-ventilated place. Keep cool.
Special Provisions:
None
Contains
RESINA EPOSSIDICA
butan-1-ol; n-butanol
Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%
Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
N.A.
3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number		Classification
>=15% -< 20%	RESINA EPOSSIDICA	CAS:	25036-25-3	3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.4.2/1 Skin Sens. 1 H317
>=7% -< 10%	xylene	Index number: CAS: EC: REACH No.:	601-022-00-9 1330-20-7 215-535-7 01-2119488216-32	2.6/3 Flam. Liq. 3 H226 4.1/C3 Aquatic Chronic 3 H412 3.1/4/Dermal Acute Tox. 4 H312 3.1/4/Inhal Acute Tox. 4 H332 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335 3.10/1 Asp. Tox. 1 H304 3.9/2 STOT RE 2 H373
>=5% -< 7%	trizinc bis(orthophosphate)	CAS: EC: REACH No.:	7779-90-0 231-944-3 01-2119485044-40	4.1/C1 Aquatic Chronic 1 H410
>=3% -< 5%	butan-1-ol; n-butanol	Index number: CAS: EC: REACH No.:	603-004-00-6 71-36-3 200-751-6 01-2119484630-38	2.6/3 Flam. Liq. 3 H226 3.3/1 Eye Dam. 1 H318 3.1/4/Oral Acute Tox. 4 H302 3.2/2 Skin Irrit. 2 H315 3.8/3 STOT SE 3 H335 3.8/3 STOT SE 3 H336
>=3% -< 5%	n-butyl acetate	Index number: CAS: EC: REACH No.:	607-025-00-1 123-86-4 204-658-1 01-	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336

			2119485493-29	
>=0,25% -< 0,5%	ethylbenzene	Index number: CAS: EC: REACH No.:	601-023-00-4 100-41-4 202-849-4 01-2119489370-35	2.6/2 Flam. Liq. 2 H225 4.1/C3 Aquatic Chronic 3 H412 3.1/4/Inhal Acute Tox. 4 H332 3.10/1 Asp. Tox. 1 H304 3.9/2 STOT RE 2 H373

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
CONSULT A PHYSICIAN IMMEDIATELY.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

No data available

4.3. Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
In case of fire, use a dry powder fire extinguisher to extinguish.
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.
Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.
Remove all sources of ignition.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.
Store between 5 and 35°C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.
Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Cool and adequately ventilated.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

xylene - CAS: 1330-20-7

National - TWA: 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Notes: pelle
EU - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - URT and eye irr; hematologic eff; CNS impair

butan-1-ol; n-butanol - CAS: 71-36-3

ACGIH - TWA(8h): 20 ppm - Notes: Eye and URT irr

n-butyl acetate - CAS: 123-86-4

ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
EU - TWA(8h): 241 mg/m3, 50 ppm - STEL: 723 mg/m3, 150 ppm

ethylbenzene - CAS: 100-41-4

EU - TWA(8h): 442 mg/m3, 100 ppm - STEL: 884 mg/m3, 200 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: OTO; A3, BEI - URT & eye irr; ototoxicity; kidney eff;

CNS impair

DNEL Exposure Limit Values

xylene - CAS: 1330-20-7

Worker Professional: 3182 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects

Worker Professional: 442 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 221 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 221 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, local effects

trizinc bis(orthophosphate) - CAS: 7779-90-0

Worker Professional: 5 mg/kg - Exposure: Human Inhalation

butan-1-ol; n-butanol - CAS: 71-36-3

Worker Professional: 310 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 310 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, local effects

n-butyl acetate - CAS: 123-86-4

Worker Professional: 960 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 960 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, local effects

Worker Professional: 480 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

Worker Professional: 480 mg/kg - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Professional: 859.7 mg/kg - Exposure: Human Inhalation - Frequency: Short Term, systemic effects

Worker Professional: 859.7 mg/kg - Exposure: Human Inhalation - Frequency: Short Term (acute)

PNEC Exposure Limit Values

xylene - CAS: 1330-20-7

Target: Fresh Water - Value: 0.327 mg/l

Target: Marine water - Value: 0.327 mg/l

Target: Marine water sediments - Value: 12.46 mg/l

Target: Freshwater sediments - Value: 12.46 mg/l

Target: 09 - Value: 6.58 mg/l

Target: Soil (agricultural) - Value: 2.31 mg/kg

Target: 08 - Value: 0.327 mg/l

butan-1-ol; n-butanol - CAS: 71-36-3

Target: Fresh Water - Value: 0.082 mg/l

Target: Marine water - Value: 0.0082 mg/l

Target: 08 - Value: 2.25 mg/l

Target: 09 - Value: 2476 mg/l

Target: Freshwater sediments - Value: 0.178 mg/kg

Target: Marine water sediments - Value: 0.0178 mg/kg

Target: Soil (agricultural) - Value: 0.015 mg/kg

n-butyl acetate - CAS: 123-86-4

Target: Fresh Water - Value: 0.18 mg/l

Target: Marine water - Value: 0.018 mg/l

Target: 08 - Value: 0.36 mg/l

Target: 09 - Value: 35.6 mg/l

Target: Freshwater sediments - Value: 0.981 mg/kg

Target: Marine water sediments - Value: 0.0981 mg/kg

Target: Soil (agricultural) - Value: 0.0903 mg/kg

8.2. Exposure controls
Eye protection:
Use close fitting safety goggles, don't use eye lens.
Protection for skin:
Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.
Protection for hands:
Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.
Respiratory protection:
Not needed for normal use.
Thermal Hazards:
None
Environmental exposure controls:
None
Appropriate engineering controls:
None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	**Value**	**Method:**	**Notes:**
Physical state:	Liquid	--	--
Colour:	N.A.	--	--
Odour:	CHARACTERISTIC	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	> 35 gradi C.	--	--
Flammability:	Flam. Liq. 3, H226	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	>= 23	--	--
Auto-ignition temperature:	400 gradi C.	--	--
Decomposition temperature:	N.A.	--	--
pH:		--	--
Kinematic viscosity:	> 20,5 mm2/sec (40 °C)	--	--
Solubility in water:	Insolubile	--	--
Solubility in oil:	N.A.	--	--

Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.D.	--	--
Density and/or relative density:	1.45 Kg/L	--	--
Relative vapour density:	>Air	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes:**
Explosive properties:	2/11 % Volume	--	--
Solids	77.1	--	--
% Volatile carbon:	18.2	--	--
% Solvent	22.9	--	--
Oxidizing properties:	N.D.	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
None
10.4. Conditions to avoid
Stable under normal conditions.)
10.5. Incompatible materials
Avoid contact with combustible materials. The product could catch fire.
10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Toxicological information of the product:
N.A.
Toxicological information of the main substances found in the product:
RESINA EPOSSIDICA - CAS: 25036-25-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 3500 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 17800 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 4000 mg/l - Duration: 4h
xylene - CAS: 1330-20-7

a) acute toxicity:
Test: LC50 - Route: Inhalation - Species: Rat = 5000 Ppm - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 1700 mg/kg
trizinc bis(orthophosphate) - CAS: 7779-90-0
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 5000 mg/kg
butan-1-ol; n-butanol - CAS: 71-36-3
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat = 2292 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 17.76 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit = 3430 mg/kg
n-butyl acetate - CAS: 123-86-4
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat > 10000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat > 21.1 mg/l - Duration: 4h
Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg
ethylbenzene - CAS: 100-41-4
a) acute toxicity:
Test: LD50 - Route: Oral - Species: Rat 3500 mg/kg
xylene - CAS: 1330-20-7
OBSERVATIONS ON HUMAN SUBJECTS NON-PROFESSIONAL EXPOSURED-
Effects following acute exposure:
Symptoms of intense exposure are: dermatitis, eczema, irritation to the eyes and to the respiratory tract.
Inhaling the vapours can cause dizziness, headache, nausea, incoordination, excitability, narcosis, anaemia, and paraesthesia of the hands and feet.
PROFESSIONAL EXPOSURED- Effects following acute exposure:
Narcotic at high concentrations.
Irritation through inhalation at 200 ppm (TCLo). Inhalation of 200 ppm has irritating effects in human subjects.
Human subject (oral)(LDLo): 50 mg/kg.
Inhalatory human subject (LCLo) 10000 ppm/6h.

butan-1-ol; n-butanol - CAS: 71-36-3
OBSERVATIONS ON HUMAN SUBJECTS:
Exposure through inhalation causes coughing, irritation to the mucous membranes, dermatitis, headache, dizziness and drowsiness, irritation to the nose, throat and eyes, and the formation of translucent vacuoles on the surface layer of the cornea.

n-butyl acetate - CAS: 123-86-4
OBSERVATIONS ON HUMAN SUBJECTS:
Inhalation: 3300 ppm (16 mg/l), for short periods, cause serious irritation to the eyes and to the nose.
Inhalation: 200-300 ppm (1-1.4 mg/l), for short periods, cause moderate irritation to the eyes and to the nose.
Inhaling the vapours can irritate the respiratory system.
The vapours can cause headache and nausea. As a liquid it can irritate the eyes and cause conjunctivitis, it can irritate the skin and cause dermatitis and, if swallowed, causes inebriation, hallucinations and sedation.
Symptoms of illness at 500 ppm. Serious toxic effects at 2,000 ppm for 60 min.
TCLo: 200 ppm

If not differently specified, the information required in Regulation (EU)2020/878 listed below must be considered as N.A.:
a) acute toxicity;
b) skin corrosion/irritation;

c) serious eye damage/irritation;
d) respiratory or skin sensitisation;
e) germ cell mutagenicity;
f) carcinogenicity;
g) reproductive toxicity;
h) STOT-single exposure;
i) STOT-repeated exposure;
j) aspiration hazard.

11.2. Information on other hazards

Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt sound working practices, so that the product is not released into the environment.
xylene - CAS: 1330-20-7
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Algae = 21 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 29 mg/l - Duration h: 96
Endpoint: EC50 - Species: Fish = 35 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia = 165 mg/l - Duration h: 24
trizinc bis(orthophosphate) - CAS: 7779-90-0
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 0.2 mg/l
Endpoint: EC50 - Species: Daphnia = 0.45 mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae = 0.143 mg/l - Duration h: 72
butan-1-ol; n-butanol - CAS: 71-36-3
e) Plant toxicity:
Endpoint: EC50 - Species: Fish = 225 mg/l - Duration h: 96
f) Effects in sewage plants:
Endpoint: EC50 = 2476 mg/l - Duration h: 17
n-butyl acetate - CAS: 123-86-4
e) Plant toxicity:
Endpoint: EC50 - Species: Algae = 675 mg/l - Duration h: 72

12.2. Persistence and degradability

None
N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport

DOT

Shipping Name:	Paints
Hazard Class:	3
UN/NA Number:	1263
Packing Group:	III
Additional Information:	LTD QTY EXCEPTION: This product may be reclassified as "limited quantity" per 49 CFR 173.150 (b)(3) and thus is exempt from labeling requirements when transported within the U.S. by motor vehicle or rail only. This exception applies as long as it is packaged with strong outer packaging and with inner packagings not over 5.0 L (1.3 gallons) net capacity each.

IMDG

Proper Shipping Name:	Paint
Hazard Class:	3
UN Number:	1263
Packing Group:	III

IATA

Proper Shipping Name:	UN1263, Paint
Hazard Class:	3
Packing Group:	III

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications: 878/2020

Restrictions related to the product:
Restriction 3
Restriction 40

Restrictions related to the substances contained:
Restriction 75

Where applicable, refer to the following regulatory provisions :
Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
Product belongs to category: P5c, E2

15.2. Chemical safety assessment
No Chemical Safety Assessment has been carried out for the mixture.

Text of phrases referred to under heading 3:
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H226 Flammable liquid and vapour.
H412 Harmful to aquatic life with long lasting effects.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H373 May cause damage to organs through prolonged or repeated exposure.
H410 Very toxic to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H302 Harmful if swallowed.
H336 May cause drowsiness or dizziness.
H225 Highly flammable liquid and vapour.
H373 May cause damage to organs (hearing organs) through prolonged or repeated exposure.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Dermal	Acute toxicity (dermal), Category 4
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Asp. Tox. 1	3.10/1	Aspiration hazard, Category 1
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
SECTION 9: Physical and chemical properties

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

NIOSH - Registry of toxic effects of chemical substances (1983)
I.N.R.S. - Fiche Toxicologique

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.

Revision Date: 30-OCT-2026