Safety Data Sheet
BASECOAT BINDER

Safety Data Sheet dated 2/3/2020, version 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Mixture identification:

Trade name:	BASECOAT BINDER
Trade code:	4G.5.K2
Product type and use:	tintometric system

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:
industrial painting
SU3 Industrial uses: Uses of substances as such or in preparations* at industrial sites
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
PC9a Coatings and paints, thinners, paint removers
Uses advised against:
SU21 Consumer uses: Private households (= general public = consumers)

1.3. Details of the supplier of the safety data sheet

Company:
GÉNÉRALE DE PEINTURE, 70 rue Cortambert, 75116 Paris - France
+33 (0)1 75 29 35 59
Competent person responsible for the safety data sheet:
info@lusid.biz

1.4. Emergency telephone number

info@lusid.biz
Emergency US – 1-800-535-5053 Outside US - +1-352-323-3500 InfoTrac Contract # 89244

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)
- Danger, Flam. Liq. 2, Highly flammable liquid and vapour.
- Warning, Eye Irrit. 2, Causes serious eye irritation.
- Warning, STOT SE 3, May cause respiratory irritation.
- Warning, STOT SE 3, May cause drowsiness or dizziness.

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

2.2. Label elements

Hazard pictograms:

Danger

Hazard statements:
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements:
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370+P378 In case of fire, use a dry powder fire extinguisher to extinguish.
P403+P235 Store in a well-ventilated place. Keep cool.
Special Provisions:
None
Contains
n-butyl acetate
4-methylpentan-2-one; isobutyl methyl ketone
xylene [4]
Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
vPvB Substances: None - PBT Substances: None
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
>= 40% - < 50%	n-butyl acetate	Index number: CAS: EC: REACH No.:	607-025-00-1 123-86-4 204-658-1 01-2119485493-29	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336
>= 30% - < 40%	4-methylpentan-2-one; isobutyl methyl ketone	Index number: CAS: EC:	606-004-00-4 108-10-1 203-550-1	2.6/2 Flam. Liq. 2 H225 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335 3.1/4/Inhal Acute Tox. 4 H332 EUH066
>= 1% - < 3%	xylene [4]	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/Inhal Acute Tox. 4 H332 3.1/4/Dermal Acute Tox. 4 H312 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.8/3 STOT SE 3 H335 3.9/2 STOT RE 2 H373 3.10/1 Asp. Tox. 1 H304
>= 0.25% - < 0.5%	butan-1-ol	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 3.8/3 STOT SE 3 H335 3.2/2 Skin Irrit. 2 H315 3.3/1 Eye Dam. 1 H318 3.8/3 STOT SE 3 H336 3.1/4/Oral Acute Tox. 4 H302
>= 0.25%	ethylbenzene	Index	601-023-00-4	2.6/2 Flam. Liq. 2 H225

- < 0.5%		number: CAS: EC: REACH No.:	100-41-4 202-849-4 01-2119489370-35	3.1/4/Inhal Acute Tox. 4 H332 3.9/2 STOT RE 2 H373 3.10/1 Asp. Tox. 1 H304 4.1/C3 Aquatic Chronic 3 H412
156 ppm	methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate	Index number: CAS: EC: REACH No.:	607-035-00-6 80-62-6 201-297-1 01-2119452498-28	2.6/2 Flam. Liq. 2 H225 3.8/3 STOT SE 3 H335 3.2/2 Skin Irrit. 2 H315 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317
156 ppm	toluene	Index number: CAS: EC: REACH No.:	601-021-00-3 108-88-3 203-625-9 01-2119471310-51	2.6/2 Flam. Liq. 2 H225 3.2/2 Skin Irrit. 2 H315 3.7/2 Repr. 2 H361d 3.8/3 STOT SE 3 H336 3.9/2 STOT RE 2 H373 3.10/1 Asp. Tox. 1 H304

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.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediatley 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:

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

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

None

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

5. FIRE-FIGHTING 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.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.
Remove all sources of ignition.
Wear breathing apparatus if exposed to vapours/dusts/aerosols.
Provide adequate ventilation.
Use appropriate respiratory protection.
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

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhaltion of vapours and mists.
Use localized ventilation system.
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.
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.
Store at below 20 °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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

n-butyl acetate - CAS: 123-86-4
ACGIH - TWA(8h): 50 ppm - STEL: 150 ppm - Notes: Eye and URT irr
OEL 8h - 150 ppm
OEL short - 200 ppm

4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1
EU - TWA(8h): 83 mg/m3, 20 ppm - STEL: 208 mg/m3, 50 ppm
ACGIH - TWA(8h): 20 ppm - STEL: 75 ppm - Notes: A3, BEI - URT irr, dizziness, headache
xylene [4] - CAS: 1330-20-7
MAK - TWA: 100 ppm - STEL: 200 ppm - Notes: D, Skin
EU - TWA(8h): 221 mg/m3, 50 ppm - STEL: 442 mg/m3, 100 ppm - Notes: Skin
ACGIH - TWA(8h): 100 ppm - STEL: 150 ppm - Notes: A4, BEI - URT and eye irr, CNS impair
butan-1-ol - CAS: 71-36-3
ACGIH - TWA(8h): 20 ppm - Notes: Eye and URT irr
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: A3, BEI - URT irr, kidney dam (nephropathy), cochlear impair
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
EU - TWA(8h): 50 ppm - STEL: 100 ppm
ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: DSEN, A4 - URT and eye irr, body weight eff, pulm edema
toluene - CAS: 108-88-3
EU - TWA(8h): 192 mg/m3, 50 ppm - STEL: 384 mg/m3, 100 ppm - Notes: Skin
ACGIH - TWA(8h): 20 ppm - Notes: A4, BEI - Visual impair, female repro, pregnancy loss

DNEL Exposure Limit Values
n-butyl acetate - CAS: 123-86-4
Worker Industry: 960 ppm - Consumer: 859.7 ppm - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Industry: 960 ppm - Consumer: 859.7 ppm - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 480 ppm - Consumer: 102.34 ppm - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 480 ppm - Consumer: 102.34 ppm - Exposure: Human Inhalation - Frequency: Long Term, local effects
xylene [4] - CAS: 1330-20-7
Worker Industry: 289 mg/m3 - Consumer: 174 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 180 mg/kg - Consumer: 108 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 77 mg/m3 - Consumer: 14.8 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 1.6 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
Worker Industry: 289 mg/m3 - Consumer: 174 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
Worker Industry: 210 mg/m3 - Consumer: 105 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 210 mg/m3 - Consumer: 74.3 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 1.5 SIRO2 - Consumer: 1.5 SIRO2 - Exposure: Human Dermal - Frequency: Long Term, local effects
Worker Industry: 13.67 mg/kg bw/day - Consumer: 8.2 mg/kg bw/day - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Industry: 1.5 SIRO2 - Consumer: 1.5 SIRO2 - Exposure: Human Dermal - Frequency: Short Term, local effects
toluene - CAS: 108-88-3
Worker Industry: 192 mg/m3 - Consumer: 56.5 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Industry: 192 mg/m3 - Exposure: Human Inhalation - Frequency: Long Term, local effects

Worker Industry: 384 mg/kg - Consumer: 226 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects - Notes: die
Worker Industry: 384 mg/m3 - Consumer: 226 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Worker Industry: 384 mg/m3 - Consumer: 226 mg/m3 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Consumer: 8.13 mg/kg bw/day - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

n-butyl acetate - CAS: 123-86-4
- Target: Fresh Water - Value: 0.18 mg/l
- Target: Marine water - Value: 0.018 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 - Notes: occasional release

xylene [4] - CAS: 1330-20-7
- Target: Marine water - Value: 0.327 mg/l
- Target: Air - Value: 0.327 mg/l - Type of hazard: emissione saltuaria
- Target: Freshwater sediments - Value: 12.46 mg/kg
- Target: Marine water sediments - Value: 12.46 mg/kg
- Target: Soil (agricultural) - Value: 2.31 mg/kg
- Target: Fresh Water - Value: 0.327 mg/l
- Target: Microorganisms in sewage treatments - Value: 6.58 mg/l

methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate - CAS: 80-62-6
- Target: Marine water - Value: 0.094 mg/l
- Target: Fresh Water - Value: 0.94 mg/l
- Target: Soil (agricultural) - Value: 1.47 mg/kg

toluene - CAS: 108-88-3
- Target: Fresh Water - Value: 0.68 mg/l
- Target: Marine water - Value: 0.68 mg/l
- Target: Soil (agricultural) - Value: 2.89 mg/kg
- Target: Freshwater sediments - Value: 16.39 mg/l
- Target: Marine water sediments - Value: 16.39 mg/l
- Target: Microorganisms in sewage treatments - Value: 13.61 mg/l

8.2. Exposure controls

Provide adequate ventilation through good general extraction using local exhaust ventilation. If concentrations of solvent or vapor exceed the OEL value, you have to wear respiratory protection.

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:
NBR (nitrile rubber).

Respiratory protection:
Mask with filter "A" , brown colour

Thermal Hazards:
None

Environmental exposure controls:
None

Appropriate engineering controls:
None

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Appearance and colour:	liquid whitish	--	--
Odour:	solvent	--	--
Odour threshold:	solvent	--	--
pH:	N.A.	--	--
Melting point / freezing point:	N.A.	--	--
Initial boiling point and boiling range:	N.A.	--	--
Flash point:	18 ° C	--	--
Evaporation rate:	N.A.	--	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	N.A.	--	--
Vapour pressure:	N.A.	--	--
Vapour density:	>1	--	--
Relative density:	1.080 kg/l	--	--
Solubility in water:	none	--	--
Solubility in oil:	soluble	--	--
Partition coefficient (n-octanol/water):	N.A.	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	12" FORD 8	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	none	--	--
Fat Solubility:	soluble	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

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

It may generate toxic gases on contact with powerful oxidising agents, and powerful reducing agents.

It may catch fire on contact with powerful oxidising agents.

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.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the product:

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

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 21.2 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Rat 10760 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 14000 mg/kg

xylene [4] - CAS: 1330-20-7

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat 26 mg/l - Duration: 4h
Test: LD50 - Route: Oral - Species: Mouse 3523 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit > 4350 mg/kg

butan-1-ol - CAS: 71-36-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 0.790 g/kg
Test: LD50 - Route: Skin - Species: Rabbit = 3.4 g/kg
Test: LC50 - Route: Inhalation - Species: Rat = 24.24 mg/l

ethylbenzene - CAS: 100-41-4

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat 3500 mg/kg
Test: LD50 - Route: Skin - Species: Rabbit 5000 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 4000 ppm - Duration: 4h

toluene - CAS: 108-88-3

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 4328 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit 12124 mg/kg
Test: LC50 - Route: Inhalation - Species: Rat 5060 ppm - Duration: 4h
Test: LC50 - Route: Inhalation - Species: Rat = 28.1 mg/l - Duration: 4h
b) skin corrosion/irritation:
Test: Skin Irritant Positive
c) serious eye damage/irritation:
Test: Eye Irritant Positive
g) reproductive toxicity:
Test: Reproductive Toxicity Positive
i) STOT-repeated exposure:
Test: Ingestion Toxicity - Route: Oral Positive - Notes: sistema respiratorio, reni, fegato e cuore

n-butyl acetate - CAS: 123-86-4
LD (RAT) oral, 10770 mg/kg
4-methylpentan-2-one; isobutyl methyl ketone - CAS: 108-10-1
LD50 (RAT) ORAL: 2080 MG/KG

xylene [4] - CAS: 1330-20-7
LD50 (RAT) ORAL: 5000 MG/KG

If not differently specified, the information required in Regulation (EU)2015/830 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.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
Do not use when plants are in flower: the product is toxic for bees.
n-butyl acetate - CAS: 123-86-4
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish = 62 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 205 mg/l - Duration h: 48
xylene [4] - CAS: 1330-20-7
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Daphnia = 1 mg/l - Duration h: 24
Endpoint: EC50 - Species: Algae = 4.36 mg/l - Duration h: 73
Endpoint: LC50 - Species: Fish = 2.6 mg/l - Duration h: 96
Endpoint: NOEC - Species: Algae = 0.44 mg/l - Duration h: 73
Endpoint: NOEC - Species: Daphnia = 1.57 mg/l - Notes: 21g
Endpoint: NOEC - Species: Fish = 1.4 mg/l - Notes: 56g
ethylbenzene - CAS: 100-41-4
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Algae = 1.7 mg/l - Duration h: 96
Endpoint: EC50 - Species: Algae = 2.6 mg/l - Duration h: 72
Endpoint: LC50 - Species: Fish = 4.2 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia = 2 mg/l - Duration h: 48
toluene - CAS: 108-88-3

a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Algae = 12.5 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata
Endpoint: EC50 - Species: Algae = 433 mg/l - Duration h: 96 - Notes: Pseudokirchneriella subcapitata
Endpoint: LC50 - Species: Fish = 12.6 mg/l - Duration h: 96 - Notes: Pimephales promelas
Endpoint: LC50 - Species: Fish = 28.2 mg/l - Duration h: 96 - Notes: Poecilia reticulata
Endpoint: EC50 - Species: Daphnia = 5.5 mg/l - Duration h: 48 - Notes: Daphnia magna

12.2. Persistence and degradability

None
n-butyl acetate - CAS: 123-86-4
Biodegradability: Easely biodegradable - %: 83 - Notes: 28 days
xylene [4] - CAS: 1330-20-7
Biodegradability: Easely biodegradable

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. Other adverse effects

None

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.

14. TRANSPORT INFORMATION

14.1. UN number

ADR-UN Number:	1263
IATA-UN Number:	1263
IMDG-UN Number:	1263

14.2. UN proper shipping name

ADR-Shipping Name:	PAINT
IATA-Shipping Name:	PAINT
IMDG-Shipping Name:	PAINT

14.3. Transport hazard class(es)

ADR-Class:	3
ADR - Hazard identification number:	33
IATA-Class:	3
IATA-Label:	3
IMDG-Class:	3

14.4. Packing group

ADR-Packing Group:	II
IATA-Packing group:	II
IMDG-Packing group:	II

14.5. Environmental hazards

ADR-Enviromental Pollutant:	No

IMDG-Marine pollutant: No

14.6. Special precautions for user

ADR-Subsidiary risks: -
ADR-S.P.: 163 367 640C 650
ADR-Transport category (Tunnel restriction code): 2 (D/E)
IATA-Passenger Aircraft: 353
IATA-Subsidiary risks: -
IATA-Cargo Aircraft: 364
IATA-S.P.: A3 A72 A192
IATA-ERG: 3L
IMDG-EmS: F-E , S-E
IMDG-Subsidiary risks: -
IMDG-Stowage and handling: Category B
IMDG-Segregation: -

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

N.A.

15. REGULATORY INFORMATION

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

Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.
Volatile Organic compounds - VOCs = 761.31 g/l
Volatile CMR substances = 0.00 %
Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %
Organic Carbon - C = 0.56

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

15.2. Chemical safety assessment

A Chemical Safety Assessment has been carried out for the mixture.
No Chemical Safety Assessment has been carried out for the mixture.

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H332 Harmful if inhaled.
EUH066 Repeated exposure may cause skin dryness or cracking.
H412 Harmful to aquatic life with long lasting effects.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.
H318 Causes serious eye damage.
H302 Harmful if swallowed.
H373 May cause damage to organs (hearing organs) through prolonged or repeated exposure.
H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.

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. 1,1A,1B	3.4.2/1-1A-1B	Skin Sensitisation, Category 1,1A,1B
Repr. 2	3.7/2	Reproductive toxicity, Category 2
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 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification
SECTION 3: Composition/information on ingredients
4. FIRST AID MEASURES
5. FIRE-FIGHTING MEASURES
6. ACCIDENTAL RELEASE MEASURES
7. HANDLING AND STORAGE
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
9. PHYSICAL AND CHEMICAL PROPERTIES
10. STABILITY AND REACTIVITY
11. TOXICOLOGICAL INFORMATION
12. ECOLOGICAL INFORMATION
13. DISPOSAL CONSIDERATIONS
15. REGULATORY INFORMATION
SECTION 16: Other information

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. 2, H225	On basis of test data
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H335	Calculation method
STOT SE 3, H336	Calculation method

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

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

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