



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by Regulation (EC) No. 453/2010

mission bay

Version number: GHS 1.0

Date of compilation: 2015-01-27

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name **Mission bay**
Registration number (REACH) not relevant (mixture)

Other means of identification

Item code 4002/GL / 4005/GL / 4010/GL

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

Relevant identified uses industrial use
paint

1.3 Details of the supplier of the safety data sheet

DISTRISERV
43 Rue Michel Gachet
13007 Marseille
France

Telephone: +33 (0) 9 79 58 61 00
e-mail: contact@seahawkpaints.eu

1.4 Emergency telephone number

Emergency information service Austria : +431 406 43 43;
Belgium : +070 245 245 (7 /7 24/24);
Bulgaria : +359 2 9154 409;
Czech republic tel +420 224 919 293, +420 224 915 402;
Denmark : 82 12 12 12;
Estonia : tel nationally 16662, from abroad (+372) 626 93 90;
Finland : (09) 471 977 (direct) or (09) 4711 (exchange);
France : + 33 (0)1 45 42 59 59 (7/7 24/24);
Germany : 030/19240;
Hungary : +36 1 476 6464;
Ireland : 01 8092566 or 01 8379964;
Italie : 0659943733;
Lithuania : 370 5 236 20 52 ou 370 687 53 378;
Malta : 2545 0000;
Netherlands : 030-2748888;
New zealand : 0800 764 766 or 0800 611 116;
Norway : + 47 810 20 050;
Portugal : 808 250 143;
Romania : 021.318.36.06;
Slovakia : 421 2 5477 4166;
Spain : + 34 91 562 04 20;
Sweden : 112 ou 08-331231.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

GHS chapter - Hazard class and category - Hazard statement code(s)

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2.6	flammable liquids	Cat. 3	(Flam. Liq. 3)	H226
3.2	skin corrosion/irritation	Cat. 2	(Skin Irrit. 2)	H315
3.3	serious eye damage/eye irritation	Cat. 1	(Eye Dam. 1)	H318
3.8D	specific target organ toxicity - single exposure (narcotic effects, drowsiness)	Cat. 3	(STOT SE 3)	H336
3.10	aspiration hazard	Cat. 1	(Asp. Tox. 1)	H304
4.1A	hazardous to the aquatic environment - acute hazard	Cat. 1	(Aquatic Acute 1)	H400
4.1C	hazardous to the aquatic environment - chronic hazard	Cat. 1	(Aquatic Chronic 1)	H410

Remarks

For full text of H-phrases: see SECTION 16.

Classification according to Directive 1999/45/EC (DPD)

Indication(s) of danger - Symbol codes - R-phrases

flammable	R10
harmful	Xn; R20-65
irritant	Xi; R36
dangerous for the environment	N; R50-53

Remarks

For full text of R-phrases: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects

The product is combustible and can be ignited by potential ignition sources. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

Signal word

Danger

Pictograms

GHS02, GHS05, GHS07, GHS08, GHS09



Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

Precautionary statements - prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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Precautionary statements - response

P301+P310	IF SWALLOWED: immediately call a POISON CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: get medical advice/attention.
P362	Take off contaminated clothing.
P370+P378	In case of fire: Use foam to extinguish - never use water.
P391	Collect spillage.

Precautionary statements - storage

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary statements - disposal

P501	Dispose of contents/container to industrial combustion plant.
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Hazardous ingredients for labelling: pyriithione zinc, Solvent naphtha (petroleum), light arom.

2.3 Other hazards

Repeated exposure may cause skin dryness or cracking.

SECTION 3: Composition/information on ingredients

3.1 Substances

not relevant (mixture)

3.2 Mixtures

Description of the mixture

Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Pictograms	Classification acc. to 67/548/EEC	Symbols
zinc oxide	CAS No 1314-13-2 EC No 215-222-5	≥ 25 - < 50	Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410		dangerous for the environment; N; R50-53	
Solvent naphtha (petroleum), light arom.	CAS No 64742-95-6 EC No 265-199-0	≥ 10 - < 25	Flam. Liq. 3 / H226 Skin Irrit. 2 / H315 STOT SE 3 / H336 Asp. Tox. 1 / H304 Aquatic Chronic 2 / H411		flammable; R10 harmful; Xn; R65 irritant; Xi; R38 R67 dangerous for the environment; N; R51-53	
pyriithione zinc	CAS No 13463-41-7 EC No 236-671-3	≥ 5 - < 10	Acute Tox. 4 / H302 Acute Tox. 3 / H331 Eye Dam. 1 / H318 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410		toxic; T; R23 harmful; Xn; R22 irritant; Xi; R41 dangerous for the environment; N; R50	

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Name of substance	Identifier	wt%	Classification acc. to 1272/2008/EC	Pictograms	Classification acc. to 67/548/EEC	Symbols
ethylbenzene	CAS No 100-41-4 EC No 202-849-4	< 1	Flam. Liq. 2 / H225 Acute Tox. 4 / H332		highly flammable; F; R11 harmful; Xn; R20	

For full text of abbreviations: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Wash with plenty of soap and water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Narcotic effects.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

water spray, alcohol resistant foam, BC-powder, carbon dioxide (CO₂)

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

In case of insufficient ventilation and/or in use, may form flammable/explosive vapour-air mixture. Solvent vapours are heavier than air and may spread along floors. Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures.

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Hazardous combustion products

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains.

Advices on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

• Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Avoidance of ignition sources. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge. Use only in well-ventilated areas. Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools.

• Warning

Places which are not ventilated, e.g. unventilated below ground level areas such as trenches, conduits and shafts, are particularly prone to the presence of flammable substances or mixtures. Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours may form explosive mixtures with air.

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Advice on general occupational hygiene

Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- **Explosive atmospheres**

Keep container tightly closed and in a well-ventilated place. Use local and general ventilation. Keep cool. Protect from sunlight.

- **Flammability hazards**

Keep away from sources of ignition - No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Protect from sunlight.

Incompatible substances or mixtures

Observe hints for combined storage.

Consideration of other advice

- **Ventilation requirements**

Use local and general ventilation. Ground/bond container and receiving equipment.

- **Packaging compatibilities**

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA A [ppm]	TWA [mg/m ³]	STEL L [ppm]	STEL [mg/m ³]	Source	wt%
EU	ethylbenzene	100-41-4	IOELV	100	442	200	884	2000/39/EC	< 1
UK	ethylbenzene	100-41-4	WEL	100	441	125	552	EH40/2005	< 1

Notation

STEL Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified

TWA Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average

Relevant DNELs/DMELs/PNECs and other threshold levels

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• relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
zinc oxide	1314-13-2	DNEL	83 mg/kg	human, dermal	worker (industry)	chronic - systemic effects
zinc oxide	1314-13-2	DNEL	5 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
pyrithione zinc	13463-41-7	DNEL	0.01 mg/kg	human, dermal	worker (industry)	chronic - systemic effects

• relevant PNECs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
zinc oxide	1314-13-2	PNEC	20.6 µg/l	aquatic organisms	freshwater	short-term (single instance)
zinc oxide	1314-13-2	PNEC	6.1 µg/l	aquatic organisms	marine water	short-term (single instance)
zinc oxide	1314-13-2	PNEC	100 µg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
zinc oxide	1314-13-2	PNEC	117.8 mg/kg	benthic organisms	sediments	short-term (single instance)
zinc oxide	1314-13-2	PNEC	56.5 mg/kg	pelagic organisms	sediments	short-term (single instance)
zinc oxide	1314-13-2	PNEC	35.6 mg/kg	terrestrial organisms	soil	short-term (single instance)
pyrithione zinc	13463-41-7	PNEC	0.01 mg/l	microorganisms	sewage treatment plant (STP)	short-term (single instance)
pyrithione zinc	13463-41-7	PNEC	0.0095 mg/kg	benthic organisms	sediments	short-term (single instance)
pyrithione zinc	13463-41-7	PNEC	0.0095 mg/kg	pelagic organisms	sediments	short-term (single instance)
pyrithione zinc	13463-41-7	PNEC	8.85 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

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Skin protection

• hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

• other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	liquid
Colour	red for ref 4002/GL - white for ref 4010/GL - black for ref 4005/GL
Odour	characteristic

Other physical and chemical parameters

pH (value)	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	40.5 °C (determination of flash point - rapid equilibrium closed cup method)
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	not determined
Vapour pressure	5.1 mmHG at 25 °C
Density	1,29 - 1,39
Solubility(ies)	not determined
Partition coefficient	
n-octanol/water (log KOW)	This information is not available.
Auto-ignition temperature	not determined
Viscosity	not determined
Explosive properties	none
Oxidising properties	none

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9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". The mixture contains reactive substance(s): risk of ignition

- **if heated**

risk of ignition

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints to prevent fire or explosion

Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Physical stresses which might result in a hazardous situation and have to be avoided

strong shocks

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

- **Acute toxicity of components of the mixture**

Name of substance	CAS No	Exposure route	ATE
pyrithione zinc	13463-41-7	oral	302
pyrithione zinc	13463-41-7	inhalation: dust/mist	0.5
ethylbenzene	100-41-4	inhalation: vapour	11

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Name of substance	CAS No	Exposure route	Endpoint	Value	Species	Notes
zinc oxide	1314-13-2	oral	LD50	>5000 mg/kg	rat	
zinc oxide	1314-13-2	dermal	LD50	>2000 mg/kg	rat	
Solvent naphtha (petroleum), light arom.	64742-95-6	oral	LD50	>5000 mg/kg	rat	
Solvent naphtha (petroleum), light arom.	64742-95-6	dermal	LD50	>2000 mg/kg	rabbit	
pyrithione zinc	13463-41-7	oral	LD50	302 mg/kg	rat	
pyrithione zinc	13463-41-7	dermal	LD50	>2000 mg/kg	rat	

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Specific target organ toxicity (STOT)

- **Specific target organ toxicity - single exposure**

May cause drowsiness or dizziness.

- **Specific target organ toxicity - repeated exposure**

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Very toxic to aquatic life.

Aquatic toxicity (acute)

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
zinc oxide	1314-13-2	EC50	2.6 mg/l	aquatic invertebrates	48 hours
pyrithione zinc	13463-41-7	LC50	2.6 µg/l	fish	96 hours
pyrithione zinc	13463-41-7	EC50	8.2 µg/l	aquatic invertebrates	48 hours

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Aquatic toxicity (chronic)

May cause long-term adverse effects in the aquatic environment.

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
zinc oxide	1314-13-2	EC50	0.19 mg/l	aquatic invertebrates	24 h
Solvent naphtha (petroleum), light arom.	64742-95-6	EC50	15.41 mg/l	microorganisms	40 h
pyrithione zinc	13463-41-7	EC50	5.21 µg/l	aquatic invertebrates	28 d

12.2 Process of degradability

Data are not available.

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
pyrithione zinc	13463-41-7	carbon dioxide generation	39 %	28 d

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
pyrithione zinc	13463-41-7	8.28	0.9	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste treatment-relevant information

Solvent reclamation/regeneration.

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

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Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

13.2 Relevant provisions relating to waste

Properties of waste which render it hazardous

H 3-B 'Flammable':

liquid substances and preparations having a flash point equal to or greater than 21 °C and less than or equal to 55 °C.

13.3 Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1	UN number	1263
14.2	UN proper shipping name	PAINT
14.3	Transport hazard class(es)	
	Class	3 (flammable liquids)
14.4	Packing group	III (substance presenting low danger)
14.5	Environmental hazards	hazardous to the aquatic environment (zinc oxide)
14.6	Special precautions for user	
	Provisions for dangerous goods (ADR) should be complied within the premises.	
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	
	The cargo is not intended to be carried in bulk.	
14.8	Information for each of the UN Model Regulations	
	• Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN)	
	UN number	1263
	Proper shipping name	PAINT
	Class	3
	Classification code	F1
	Packing group	III
	Danger label(s)	3 + "fish and tree"
		
	Environmental hazards	yes (hazardous to the aquatic environment)
	Special provisions (SP)	163, 367, 640E, 650
	Excepted quantities (EQ)	E1
	Limited quantities (LQ)	5 L
	Transport category (TC)	3
	Tunnel restriction code (TRC)	D/E
	Hazard identification No	30

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• International Maritime Dangerous Goods Code (IMDG)

UN number	1263
Proper shipping name	PAINT
Class	3
Subsidiary risk(s)	-
Marine pollutant	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	3 + "fish and tree"



Special provisions (SP)	163, 223, 955
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-E, S-E
Stowage category	E

• International Civil Aviation Organization (ICAO-IATA/DGR)

UN number	1263
Proper shipping name	Paint
Class	3
Environmental hazards	yes (hazardous to the aquatic environment)
Packing group	III
Danger label(s)	3



Special provisions (SP)	A3, A72
Excepted quantities (EQ)	E1
Limited quantities (LQ)	10 L

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Relevant provisions of the European Union (EU)

15.1.1. • Limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products (2004/42/EC, Deco-Paint Directive)

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VOC content 298 g/l

National regulations (Austria)

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- **Ordinance on combustible liquids (VbF)**

VbF (group and hazard class):

This Regulation shall not apply:

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2000/39/EC	Commission Directive establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC
Acute Tox.	acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
Aquatic Acute	hazardous to the aquatic environment - acute hazard
Aquatic Chronic	hazardous to the aquatic environment - chronic hazard
Asp. Tox.	aspiration hazard
ATE	Acute Toxicity Estimate
BCF	BioConcentration Factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	Chemical Oxygen Demand
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
DPD	Dangerous Preparations Directive (1999/45/EC)
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
EH40/2005	EH40/2005 Workplace exposure limits, Table 1: List of approved workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-licence/)
EmS	Emergency Schedule
Eye Dam.	seriously damaging to the eye
Eye Irrit.	irritant to the eye
F+	extremely flammable
Flam. Liq.	flammable liquid
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH), amended by Regulation
(EC) No. 453/2010

mission bay

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Abbr.	Descriptions of used abbreviations
log KOW	n-octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
N	dangerous for the environment
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	corrosive to skin
Skin Irrit.	irritant to skin
STOT SE	specific target organ toxicity - single exposure
T	toxic
VbF	ordinance on combustible liquids (Austria)
VOC	Volatile Organic Compounds
vPvB	very Persistent and very Bioaccumulative
Xi	irritant
Xn	harmful

Key literature references and sources for data

- Supplier
- CLP (annexe VI and/or notification)
- ECHA

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in chapter 2 and 3)

Code	Text
H225	highly flammable liquid and vapour
H226	flammable liquid and vapour
H302	harmful if swallowed
H304	may be fatal if swallowed and enters airways
H315	causes skin irritation
H318	causes serious eye damage
H331	toxic if inhaled
H332	harmful if inhaled
H336	may cause drowsiness or dizziness
H400	very toxic to aquatic life
H410	very toxic to aquatic life with long lasting effects

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Code	Text
H411	toxic to aquatic life with long lasting effects
R10	flammable
R11	highly flammable
R20	harmful by inhalation
R22	harmful if swallowed
R23	toxic by inhalation
R36	irritating to eyes
R38	irritating to skin
R41	risk of serious damage to eyes
R50	very toxic to aquatic organisms
R50/53	very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R53	may cause long-term adverse effects in the aquatic environment
R65	harmful: may cause lung damage if swallowed
R67	vapours may cause drowsiness and dizziness

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Redactor

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