

Safety Data Sheets

In accordance with Regulation (EC) No 1907/2006 (REACH), as amended by Regulation (EU) Date of issue: 16/01/2022 Date of revision: 29/01/2022

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1.1. Product identification.

Product form: Mixture
Product name: Boreal Mixer
Trademark: DYNAMIC PMU

1.2. Identified relevant uses of the substance or mixture and uses advised against.

1.2.1. Identified relevant uses

Main category of use: Professional use for tattoo or micropigmentation.

1.2.2. Uses advised against

No additional information available.

1.3. Supplier details for safety data sheet.

Maimi Paint, SL
Address: C/ Ciudad de Sevilla, number 5, 46988
Paterna, Valencia, Spain.
+34 648 61 81 88

1.4. Emergency telephone numbers.

SPAIN

Entity/Company: Information Service - Toxicological Institute of Toxicology and Forensic Sciences, Madrid Department.
Address: C/ José Echegaray, No.4, 28232 Las Rozas de Madrid.
Emergency telephone number: +34 91 562 04 20.
Comment: Toxicological information only, Information in Spanish (24h/365 days).

BPR Assistance Service:
Ministry of Health, Social Services and Equality Paseo del Prado 18-20, 28071 Madrid.
Email: biocidas-helpdesk@mscbs.es

CLP and REACH Assistance:
REACH and CLP Information Portal C/ Julián Camarillo.
6B, 4th Floor, 28037 Madrid
Email: info@reach-pir.es

AUSTRIA

BPR, REACH, and CLP Assistance:
Federal Ministry for Climate Action, Environment, Energy, Mobility, Innovation, and Technology, Div. VI/7 Stubenbastei
5, A, 1010 Vienna.
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Email BPR: biozide@umweltbundesamt.at
Email CLP and REACH: oficina@reachhelpdesk.at

CROATIA

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Phone: +45 72 54 44 66
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FRANCE

BPR and CLP Assistance:
ANSES - National Agency for Food, Environmental and Occupational Health and Safety. 253 Avenue du General Leclerc, 94701 Maisons-Alfort Cedex
Email: helpdesk-biocides@anses.fr

REACH Assistance:
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Phone: +33 8 20 20 18 16
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CLP: clp.helpdesk (at) nnk.gov.hu
REACH: reach.helpdesk (at) nnk.gov.hu

ITALY

BPR Assistance:
Ministry of Health: Directorate General of Medical Devices, Pharmaceutical Service and Healthcare Safety - Office VII
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CLP Assistance:
Istituto Superiore di Sanità National Center for Chemicals, Cosmetics, and Consumer Protection Viale Regina Elena 299, 00161 Rome.
Email: helpdesk.clp@iss.it

REACH Assistance:
Ministry of Economic Development Via Molise 2, 00187 Rome
Email: helpdesk tecnica@mise.gov.it

LITHUANIA

BPR Assistance:
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MONTENEGRO

REACH, CLP, and BPR Assistance:

Ministry of Sustainable Development and Tourism, Agency for Nature and Environmental Protection IV Proleterske 19, 81000 Podgorica.

Email: asistencija@epa.org.me

POLAND

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Office for Registration of Medicinal Products, Medical Devices, and Biocidal Products al. Jerozolimskie 181c 02-222 Warsaw

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CLP and REACH Assistance: Chemical Substances Office ul. Dowborczykow 30/34 90-019 Lodz

Phone: +48 42 2538 424; +48 42 2538 427

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SERBIA

REACH, CLP, and BPR Assistance:

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Email: info.hemikalije@ekologija.gov.rs

TURKEY

REACH and CLP Assistance:

Ministry of Environment and Urbanization General Directorate of Environmental Management Department of Chemicals Management Mustafa Kemal Mahallesi Eskişehir Devlet Yolu (Dumlupınar Bulvarı) 9. km. No: 278 Çankaya / Ankara

Phone: +90 (312) 586 -31 87/31 88/ 31 89/ 31 90

BPR Helpdesk:

Ministry of Health Üniversiteler Mah. Dumlupınar Bulv. 6001. Cad. No:9 06800 Bilkent - Çankaya / Ankara-TURKEY

Phone: +90 312 565 5212 / 5218 / 5222 / 5222

E-mail: thsk.cevre@saglik.gov.tr

BELGIUM

BPR and CLP Helpdesk:

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CYPRUS

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CLP and REACH Helpdesk:

Department of Labour Inspection CY-1493, Nicosia

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ESTONIA

BPR, CLP, and REACH Helpdesk:

Health Board/Health Board of Estonia; Chemical Safety Department Paldiski mnt 81, 10617 Tallinn

Email BPR: bpr@terviseamet.ee

Email CLP: clp@terviseamet.ee

Email REACH: reach@terviseamet.ee

GERMANY

BPR, CLP, and REACH Helpdesk:

BAuA - Federal Institute for Occupational Safety and Health Friedrich-Henkel-Weg 1 - 25 D-44149 Dortmund

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ICELAND

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LATVIA

BPR, CLP, and REACH Helpdesk:

Latvian Environment, Geology and Meteorology Centre (LEGMC) Chemicals and Hazardous Waste Department

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LUXEMBOURG

Competent Authority BPR:

Environment Administration Chemicals and Dangerous Substances Service 1, avenue du Rock'n'Roll, L-4361 Esch-

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sur-Alzette, Luxembourg
Email: biocides@aev.etat.lu

NETHERLANDS

BPR Helpdesk:
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Email: servicedesk@ctgb.nl

CLP and REACH Helpdesk:
National Institute for Public Health and the Environment (RIVM) Antonie van Leeuwenhoeklaan 9, P.O. Box 1 - 3720 BA Bilthoven.

PORTUGAL

BPR Helpdesk:
Directorate-General of Health (DGS) Alameda D. Afonso Henriques, 45 - 1049 005 Lisbon
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CLP and REACH Helpdesk:
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SLOVAKIA

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BULGARIA

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CZECH REPUBLIC

Competent Authority BPR:
Ministry of Health of the Czech Republic Palackeho namesti 4 CZ - 128 01 Prague 2
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CLP and REACH Helpdesk:

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GREECE

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IRELAND

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CLP and REACH Helpdesk:

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LIECHTENSTEIN

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Phone: +423 236 64 00

Fax: +423 236 64 11

Email BPR: biocide@llv.li

Email CLP: clp@llv.li

Email REACH: reach@llv.li

MALTA

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Fax: +356 2124 2406

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ROMANIA

Competent Authority BPR:

Ministry of Health, National Committee of Biocidal Products R. Dr. A. Leonte, Nr 1-3, 050463 Bucharest

Phone: +40 21 311 86 20

Fax +40 21 311 86 20

Email: helpdesk.biocide@insp.gov.ro

CLP and REACH Helpdesk:

National Environmental Protection Agency (NEPA). Splaiul Independentei Street 294, 1st Floor, District 6 - 060031, Bucharest

Phone: +40 21 207 11 06

Fax: +40 21 207 11 16

SLOVENIA

BPR, CLP, and REACH Helpdesk:

Chemicals Office of the Republic of Slovenia Ajdovščina 4, SI-1000 Ljubljana

Phone: + 386 14 00 60 51

Email BPR: biocidi.uzk@gov.si

Email CLP and REACH: reach.mz@gov.si

SWITZERLAND

REACH Helpdesk:

Common Notification Authority for Chemicals - FOPH - SECO 3003 Bern

Phone: +41 (0)58 465 12 53

Email: reachhelpdesk@bag.admin.ch

BPR Helpdesk:

Common Notification Authority for Chemicals FOEN - FOPH - SECO 3003 Bern

Phone: +41 (0)58 462 73 05

Email: cheminfo@bag.admin.ch

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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture.

Classification according to Regulation (EU) No. 1272/2008 [CLP]: Not classified

Adverse physicochemical effects on human health and the environment: As far as is known, the product does not present any particular hazards if the general rules of industrial hygiene.

2.2. Label elements.

Labeling according to Regulation (EC) No. 1272/2008 [CLP].

May contain traces of nickel and/or chromium. May cause allergic reactions; allergy testing is recommended.

Allergy testing is recommended. Product irradiated with gamma rays for sterilization.

Read instructions for use before using the product.

2.3. Other hazards.

Does not contain PBT/vPvB substances evaluated in accordance with Regulation (EC) No. 1907/2006 with Annex XIII of REACH.

SECTION 3: Information on composition/components

3.1. Substances.

Not applicable.

3.2 Mixtures.

Name	Product identifier	(%)
1. CI(77891) - WHITE	CAS: 13463-67-7	0
2. CI(56110) - RED 254	CAS: 122390-98-1	0
3. CI(21290) - YELLOW	CAS: 77804-81-0	0
4. CI(12475) - RED 170	CAS: 2786-76-7	0
5. CI(77266) - BLACK	CAS: 1333-86-4	0
6. CI(74160) - BLUE	CAS: 147-14-8	0
GLYCERIN	CAS: 56-81-5 CE: 200-289-5	60-80
BUTYLENE GLYCOL	CAS: 107-88-0 CE: 203-529-7	0-5
HAMAMELIS VIRGINIANA WATER	CAS: 84696-19-5 CE: 283-637-9	20-40

There are no additional ingredients present that, to the best knowledge of the manufacturer and in the applicable concentrations, are classified as hazardous to health or the environment.

The specific percentage of the composition may not be disclosed as a trade secret.

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SECTION 4: First Aid

4.1. Description of first aid.

First aid measures in case of inhalation:

Remove person to fresh air and keep in a position that facilitates breathing. Consult a doctor if you feel unwell.

First-aid measures after skin contact:

Wash skin with plenty of water. If you feel unwell, seek medical advice.

First-aid measures after eye contact:

Flush eyes with water as a precaution. Consult a physician if you feel unwell.

First-aid measures after ingestion:

Call a poison control center or doctor if you feel unwell.

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

No further information available.

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

Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media.

Suitable extinguishing media:

Water spray. Dry powder. Foam. Carbon dioxide.

5.2 . Specific hazards arising from the substance or mixture.

Hazardous decomposition products in case of fire:

Possible emission of toxic fumes.

5.3. Recommendations for fire-fighting personnel.

Protection during fire fighting:

Do not intervene without appropriate protective equipment. Self-contained and insulated breathing apparatus. Full body protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

6.1.1. *For non-emergency services personnel.*

Emergency procedures:

Ventilate the spill area.

6.1.2. *For emergency personnel.*

Protective equipment:

Do not intervene without appropriate protective equipment. For further information see section 8: "Exposure control/ personal protection".

6.2. Environmental precautions.

Avoid release to the environment.

6.3. Containment and containment methods and material.

Clean-up procedures:

Absorb spilled liquid with an absorbent product.

Other information:

Dispose of materials or solid waste at an authorized authorized facility.

6.4. Reference to other sections.

For further information, see section 13.

SECTION 7: Handling and Storage

7.1. Precautions for Safe Handling.

Precautions for safe handling:

The workstation should be well-ventilated. Wear personal protective equipment.

Hygienic measures:

Do not eat, drink or smoke during use. Wash hands after handling.

7.2 Safe storage conditions including possible incompatibility.

Storage conditions:

Keep locked and padlocked. Store in a well-ventilated place. Storage recommended at a maximum temperature of 32°C.

7.3. Specific end uses.

No further information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters.

8.1.1. National occupational and biological exposure limit values :

This mixture as supplied does not contain any hazardous materials with occupational exposure limits or biological limits established by specific regulatory agencies.

8.1.2. Recommended Monitoring Methods

No further information available.

8.1.3. Air contaminants formed

No further information available

8.1.4. DNEL and PNECs

No further information available.

8.1.5. Control Bands

No further information available.

8.2. Exposure Controls.

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
The workplace should be well ventilated.

8.2.2. Personal Protective Equipment

Symbols for personal protective equipment:



8.2.2.1. Eye and face protection

Eye protection: Safety glasses.

8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing Hand protection: Protective gloves.

8.2.2.3. Respiratory tract protection

Respiratory protection: In case of insufficient ventilation, use suitable respiratory system.

8.2.2.4. Thermal hazards

No further information available

8.2.3. Control of environmental exposure

Control of environmental exposure: Avoid release to the environment.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties.

Form/State:	Liquid
Appearance:	Liquid
Color:	Transparent
Odor:	Characteristic odor
Olfactory Threshold:	Data not available
PH:	Liquid
Relative evaporation rate (butyl acetate=1):	Data not available
Melting point:	Not applicable
Solidification point:	Data not available
Boiling point:	> 100 °C
Flammability point:	
Autoignition temperature:	Data not available
Decomposition temperature:	Data not available
Flammability (solid, gas):	Data not available
Vapor pressure:	Data not available
Relative vapor density at 20 °C:	Data not available
Relative density:	Data not available
Solubility:	Data not available
Partition coefficient N-octanol/water (Log Pow):	Data not available
Viscosity, kinematic:	Data not available
Viscosity, dynamic:	Data not available
Explosive properties:	Data not available
Oxidizing properties:	Data not available
Explosion limits:	Data not available
Particle size:	< 15 microns

9.2. Other information.

No information available.

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SECTION 10: Stability and reactivity

10.1. Reactivity.

The product is not reactive under normal conditions of use, storage and transport.

10.2. Chemical stability.

Stable under normal conditions.

10.3. Possibility of hazardous reactions.

No dangerous reactions are known under normal conditions of use.

10.4. Conditions to avoid.

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials.

No further information available.

10.6. Hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects.

Acute toxicity (oral):	Declassified
Acute toxicity (dermal):	Declassified
Acute toxicity (inhalation):	Declassified
Skin corrosion or irritation:	Declassified
Serious eye damage or eye irritation:	Declassified
Respiratory or skin sensitization:	Declassified
Germ cell mutagenicity:	Declassified
Carcinogenicity:	Declassified

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SECTION 12: Ecological information

12.1. Toxicity.

Ecology - general:

This product is not considered harmful to aquatic organisms and does not cause long-term adverse effects in the environment.

Short-term (acute) hazard to the aquatic environment:

Unclassified.

Long-term (acute) hazard to the aquatic environment:

Unclassified.

12.2. Persistence and degradability.

Readily biodegradable.

12.3. Bioaccumulative potential.

Bioaccumulation is unlikely.

12.4. Mobility in soil.

The product is soluble in water. Absorbed in soil.

12.5. PBT and vPvB assay results.

No PBT/vPvB ingredients are present.

12.6. Endocrine disrupting properties.

No further information available.

12.7. Other side effects.

No further information available.

SECTION 13: Disposal considerations

13.1. Waste Treatment Methods.

Approved waste treatment methods:

Remove contents/container in accordance with the collector's recycling instructions.

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SECTION 14: Transport information

According to ADR / IMDG / IATA / DNA / RID

	ADR	IMDG	IATA	AND	RID
14.1. ONU Number	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. Official United Nations transport designation	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard classes	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packaging group	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Dangers to the environment	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

No additional information is available.

14.6. Special precautions for users.

Transport by land

Not regulated

Sea transport

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Bulk transport in accordance with MARPOL Annex II and the IBC Code.

Not applicable.

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SECTION 15: Regulatory information

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

15.1.1. EU Regulations

Contains no substances subject to restrictions according to REACH Annex XVII.

Does not contain any substance included in the REACH candidate list.

Does not contain any substances listed in Annex XIV of REACH.

Does not contain any substances subject to Regulation (EU) No. 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of dangerous chemicals.

It does not contain any substances subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

Does not contain any substances subject to REGULATION (EC) No. 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Does not contain any substances subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the placing on the market and use of explosives precursors.

Respect the regulations in force:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006, concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94, as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC. COMMISSION REGULATION (EU) 2020/2081 of 14 December 2020 amending Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) as regards substances in tattoo or permanent makeup inks, Official Journal of the European Union of 15 December 2020, L 423/6. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006. Not classified as hazardous according to Directives 67/548/EEC and/or 1999/45/EC. Regulation (EC) No 1272/2008 on classification, labeling and packaging. Official Journal of the European Union Union 27.7.2012, No. L 201/60. EC 67/548 or EC 1999/45 classification. Does not contain substances subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and placing on the market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

No further information available

15.2. Chemical safety assessment.

A chemical safety assessment has not been carried out.

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SECTION 16: Other information***Abbreviations and acronyms:***

ADN	European Agreement on the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Estimation of Acute Toxicity
FBC	Bioconcentration factor
VLB	Biological limit value
DBO	Biochemical oxygen demand
DQO	Chemical oxygen demand
DMEL	Derived level with minimal effect
DNEL	Level without derivative effect
CE NO.	EC Number
CE50	Average effective concentration
EN	European standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
CL50	Lethal concentration for 50% of a population of Tests
LD50	Lethal dose for 50% of a test population (Mean lethal dose)
LOAEL	Lower level with observed adverse effect
NOAEC	Concentration with no observed adverse effect
NOAEL	Level with no observed adverse effect
NOEC	Concentration with no observed effect
OCDE	Organization for Economic Cooperation and Development
VLA	Occupational exposure limit
PBT	Persistent, bioaccumulative and toxic substance
PNEC	Expected concentration without effect
RID	Regulation on the international carriage of dangerous goods by rail
FDS	Safety Data Sheets
STP	Treatment plant
DTO	Theoretical oxygen need (BThO)
TLM	Average tolerance limit
COV	Volatile organic compounds
CAS NO.	CAS number
N.E.P	Not specified elsewhere
vPvB	Very persistent and very bioaccumulative
ED	Endocrine disrupting properties

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Full text of H and EUH phrases:

Acute Tox. 4 (Cutaneous)	Acute toxicity (dermal), category 4.
Acute Tox. 4 (Inhalation: dust, fog)	Acute toxicity (inhalation: dust, mist) Category 4.
Aquatic Chronic 3	Hazardous to the aquatic environment Chronic hazard, category 3.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H412	Harmful to aquatic organisms with long lasting effects.

Classification complies with: ATP 12

Safety Data Sheet (SDS), EU

This information is based on our present knowledge and is intended to describe the product for the protection of health, safety and the environment. Therefore, it should not be construed as a guarantee of any specific product characteristics.