

Page 1 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 07.03.2017 / 0020 Replacing version dated / version: 10.11.2015 / 0019 Valid from: 07.03.2017 PDF print date: 17.03.2017 BLEIERSATZ 250 mL Art.: 1838

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

BLEIERSATZ 250 mL Art.: 1838

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

Additives

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Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH, Jerg-Wieland-Str. 4, 89081 Ulm-Lehr, Germany Phone: (+49) 0731-1420-0, Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number Emergency information services / official advisory body:

Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (LMR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture Classification according to Regulation (EC) 1272/2008 (CLP) Hazard class Hazard category Eve Dam. 1 Asp. Tox. 1

Hazard statement H318-Causes serious eye damage. H304-May be fatal if swallowed and enters airways.

Labeling according to Regulation (EC) 1272/2008 (CLP)

2.2 Label elements

Danger



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H318-Causes serious eye damage. H304-May be fatal if swallowed and enters airways.

P101-If medical advice is needed, have product container or label at hand. P102-Keep out of reach of children.

P280-Wear eye protection. P301+P310+P331-IF SWALLOWED: Immediately call a POISON CENTER / doctor. Do NOT induce vomiting. P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P315-Get immediate medical advice / attention. P405-Store locked up.

P501-Dispose of contents / container to special waste collection point.

EUH066-Repeated exposure may cause skin dryness or cracking.

Potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate Distillates (petroleum), hydrotreated light Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics

2.3 Other hazards

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The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).

SECTION 3: Composition/information on ingredients

3.1 Substance

n.a. 3.2 Mixture

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
Registration number (REACH)	01-2119457273-39-XXXX
Index	
EINECS, ELINCS, NLP	918-481-9 (REACH-IT List-No.)
CAS	
content %	70-90
Classification according to Regulation (EC) 1272/2008 (CLP)	Asp. Tox. 1, H304
Potassium 1,2-bis(2-ethylhexyloxycarbonyl)ethanesulphonate	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	231-308-5
CAS	7491-09-0
content %	3-<10
Classification according to Regulation (EC) 1272/2008 (CLP)	Skin Irrit. 2, H315
	Eye Dam. 1, H318

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures Inhalation

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

Skin contact



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Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

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Rinse the mouth thoroughly with water. Do not induce vomiting - give copious water to drink. Consult doctor immediately. Danger of aspiration In case of vomiting, keep head low so that the stomach content does not reach the lungs.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours. The following may occur: Headaches Dizziness Nausea With long-term contact: Product removes fat. Drying of the skin. Dermatitis (skin inflammation) Ingestion: Danger of aspiration Oedema of the lungs Chemical pneumonitis (condition similar to pneumonia) **4.3 Indication of any immediate medical attention and special treatment needed**

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media Suitable extinguishing media

Cool container at risk with water. CO2 Extinction powder Alcohol resistant foam Water jet spray **Unsuitable extinguishing media**

High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop: Oxides of carbon Oxides of nitrogen Toxic pyrolysis products. Explosive vapour/air mixture Dangerous vapours heavier than air. In case of spreading near the ground, flashback to distance sources of ignition is possible. **5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. Full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air. Remove possible causes of ignition - do not smoke. Avoid inhalation, and contact with eyes or skin.



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Do not carry cleaning cloths soaked in product in trouser pockets. If applicable, caution - risk of slipping. Remove possible causes of ignition - do not smoke.

6.2 Environmental precautions

If leakage occurs, dam up.

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Resolve leaks if this possible without risk. Prevent from entering drainage system. Prevent surface and ground-water infiltration, as well as ground penetration.

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.

6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Ensure good ventilation.

Keep away from sources of ignition - Do not smoke. Do not heat to temperatures close to flash point. Take measures against electrostatic charging, if appropriate. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. Use working methods according to operating instructions.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals. Store product closed and only in original packing. Not to be stored in gangways or stair wells. Solvent resistant floor Do not store with oxidizing agents. Store in a well ventilated place. Protect from direct sunlight and warming. Do not store over 40°C.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40): 800 mg/m3

Chemical Name	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cycli	cs, < 2% aromatics	Content %:70-90
WEL-TWA: 800 mg/m3	WEL-STEL:		
Monitoring procedures:	 Draeger - Hydrocarbons 2/a (81 03 	581)	
	 Draeger - Hydrocarbons 0,1%/c (8⁻ 	1 03 571)	
	 Compur - KITA-187 S (551 174) 		
BMGV:		Other information:	(WEL acc. to RCP-method,
		EH40)	
Of the second	Distillates (petroleum), hydrotreated light		Content %:



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WEL-TWA: 100 mg/m3 (AGW)	WEL-STEL: 2(II) (AGW)	
Monitoring procedures:	 Draeger - Hydrocarbons 2/a (81 03 581) 	
	 Draeger - Hydrocarbons 0,1%/c (81 03 571) 	
	- Compur - KITA-187 S (551 174)	
BMGV:	Other information:	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

8.2 Exposure controls 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

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EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection: Tight fitting protective goggles (EN 166) with side protection, with danger of projections.

Skin protection - Hand protection: Solvent resistant protective gloves (EN 374). If applicable Protective nitrile gloves (EN 374) Protective Viton® / fluoroelastomer gloves (EN 374) Minimum layer thickness in mm: 0.4 Permeation time (penetration time) in minutes: 480 Protective hand cream recommended. The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time. Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments). Respiratory protection: Normally not necessary. If OES or MEL is exceeded. Gas mask filter A (EN 14387), code colour brown Observe wearing time limitations for respiratory protection equipment.

Thermal hazards: Not applicable

Additional information on hand protection - No tests have been performed. In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.



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Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Ph	iysical state:	Liquid
Co	blour:	Red
Co	blour:	Clear
Oc	dour:	Characteristic
Oc	dour threshold:	Not determined
pН	I-value:	n.a.
Me	elting point/freezing point:	Not determined
Ini	tial boiling point and boiling range:	~180 °C
Fla	ash point:	63 °C
Εv	aporation rate:	Not determined
Fla	ammability (solid, gas):	Not determined
	wer explosive limit:	0,7 Vol-% (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <
		2% aromatics)
Up	oper explosive limit:	6 Vol-% (Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <
-		2% aromatics)
Va	pour pressure:	Not determined
Va	pour density (air = 1):	Not determined
De	ensity:	0,822 g/cm3 (15°C)
Bu	Ik density:	Not determined
So	lubility(ies):	Not determined
Wa	ater solubility:	Insoluble
Pa	irtition coefficient (n-octanol/water):	Not determined
Au	ito-ignition temperature:	Not determined
De	ecomposition temperature:	Not determined
Vis	scosity:	<7 mm2/s (40°C)
Ex	plosive properties:	Not determined
Ox	kidising properties:	Not determined
9.	2 Other information	
	scibility:	Not determined
	t solubility / solvent:	Not determined
	onductivity:	Not determined
	Inface tension:	Not determined
	lvents content:	Not determined
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SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested. **10.2 Chemical stability** Stable with proper storage and handling. **10.3 Possibility of hazardous reactions** No dangerous reactions are known. **10.4 Conditions to avoid** Open flame, ignition sources **10.5 Incompatible materials** Avoid contact with strong oxidizing agents. **10.6 Hazardous decomposition products**



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No decomposition when used as directed.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification). BLEIERSATZ 250 mL

Art.: 1838						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity -						n.d.a.
single exposure (STOT-SE):						
Specific target organ toxicity -						n.d.a.
repeated exposure (STOT-RE):						
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.

Hydrocarbons, C10-C13, n-alka	nes, isoalkan	es, cyclics, <	2% aromatics			
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>3160	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LC50	>4951	mg/m3	Rat		Vapours
Aspiration hazard:						Yes
Other information:						Repeated
						exposure may
						cause skin
						dryness or
						cracking.

Distillates (petroleum), hydrotre	eated light					
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Acute toxicity, by inhalation:	LD50	>5	mg/l/4h	Rat		
Aspiration hazard:						Yes

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:							n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
12.2. Persistence and							n.d.a.
degradability:							
12.3. Bioaccumulative							n.d.a.
potential:							
12.4. Mobility in soil:							n.d.a.
12.5. Results of PBT							n.d.a.
and vPvB assessment							



n.d.a.

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12.6. Other adverse effects:

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Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LL50	96h	>1000	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EL50	48h	>1000	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EL50	72h	>1000	mg/l	Pseudokirchneriell a subcapitata	OECD 201 (Alga, Growth Inhibition Test)	
Other organisms:	EL50	48h	>1000	mg/l	Tetrahymen pyriformis		

	Potassium 1,2-bis(2-ethy	Ihexyloxycarbor	nyl)ethanes	ulphonate				
I	Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
	12.2. Persistence and							Readily
	degradability:							biodegradable

Distillates (petroleum), hydrotreated light

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and	Enapoint	28d	61	%	organishi	OECD 301 F	Readily
		200	01	70			
degradability:						(Ready	biodegradable
						Biodegradability -	
						Manometric	
						Respirometry Test)	

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

Soaked polluted cloths, paper or other organic materials represent a fire hazard and should be controlled, collected and disposed of. EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be

allocated under certain circumstances. (2014/955/EU)

07 01 04 other organic solvents, washing liquids and mother liquors

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Implement substance recycling.

E.g. suitable incineration plant.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements

14.1. UN number:

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

n.a.



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BLEIERSATZ 250 mL	
Art.: 1838	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group:	n.a.
Classification code:	n.a.
LQ:	n.a.
14.5. Environmental hazards:	Not applicable
Tunnel restriction code:	
Transport by sea (IMDG-code)	
14.2. UN proper shipping name:	
14.3. Transport hazard class(es):	n.a.
14.4. Packing group: Marine Pollutant:	n.a.
14.5. Environmental hazards:	n.a Not applicable
	Not applicable
Transport by air (IATA)	
14.2. UN proper shipping name: 14.3. Transport hazard class(es):	n a
14.4. Packing group:	n.a. n.a.
14.5 Environmental hazards:	Not applicable
14.5. Environmental hazards:	Not applicable
14.6. Special precautions for user	
14.6. Special precautions for user Unless specified otherwise, general measures for safe transp	port must be followed.
14.6. Special precautions for user	port must be followed.
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Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Eye Dam. 1, H318	Classification according to calculation procedure.
Asp. Tox. 1, H304	Classification according to calculation procedure.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3). H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation. H318 Causes serious eye damage.

Eye Dam. — Serious eye damage Asp. Tox. — Aspiration hazard



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Skin Irrit. — Skin irritation

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Any abbreviations and acronyms used in this document:

AC Article Categories according, according to acc., acc. to ACGIH American Conference of Governmental Industrial Hygienists ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road) AOEL Acceptable Operator Exposure Level AOX Adsorbable organic halogen compounds approx. approximately Art., Art. no. Article number Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP) ATE BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF **Bioconcentration factor** Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation) BGV Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol) BHT BMGV Biological monitoring guidance value (EH40, UK) Biochemical oxygen demand BOD BSEF Bromine Science and Environmental Forum bw body weight **Chemical Abstracts Service** CAS CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques CIPAC Collaborative International Pesticides Analytical Council CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic COD Chemical oxygen demand CTFA Cosmetic, Toiletry, and Fragrance Association DMEL Derived Minimum Effect Level DNEL Derived No Effect Level Dissolved organic carbon DOC DT50 Dwell Time - 50% reduction of start concentration DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes) dw drv weight for example (abbreviation of Latin 'exempli gratia'), for instance e.g. EC European Community ECHA European Chemicals Agency European Economic Area EEA FFC European Economic Community EINECS European Inventory of Existing Commercial Chemical Substances **ELINCS** European List of Notified Chemical Substances ΕN **European Norms** EPA United States Environmental Protection Agency (United States of America) FRC **Environmental Release Categories** ES Exposure scenario etc. et cetera ΕU European Union EWC European Waste Catalogue Fax number Fax. gen. general GHS Globally Harmonized System of Classification and Labelling of Chemicals GWP Global warming potential Hen's Egg Test - Chorionallantoic Membrane HET-CAM HGWP Halocarbon Global Warming Potential International Agency for Research on Cancer IARC International Air Transport Association ΙΑΤΑ IBC Intermediate Bulk Container IBC (Code) International Bulk Chemical (Code)



ആ Page 11 of 12 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 07.03.2017 / 0020 Replacing version dated / version: 10.11.2015 / 0019 Valid from: 07.03.2017 PDF print date: 17.03.2017 BLEIERSATZ 250 mL Art.: 1838 IC Inhibitory concentration IMDG-code International Maritime Code for Dangerous Goods including, inclusive incl. IUCLID International Uniform ChemicaL Information Database lethal concentration LC LC50 lethal concentration 50 percent kill lowest published lethal concentration LCLo Lethal Dose of a chemical I D LD50 Lethal Dose, 50% kill LDLo Lethal Dose Low LOAEL Lowest Observed Adverse Effect Level LOEC Lowest Observed Effect Concentration LOEL Lowest Observed Effect Level Limited Quantities LQ MARPOL International Convention for the Prevention of Marine Pollution from Ships n.a. not applicable not available n.av. not checked n.c. no data available n.d.a. NIOSH National Institute of Occupational Safety and Health (United States of America) NOAECNo Observed Adverse Effective Concentration NOAEL No Observed Adverse Effect Level NOEC No Observed Effect Concentration NOEL No Observed Effect Level **Ozone Depletion Potential** ODP OECD Organisation for Economic Co-operation and Development org. organic PAH polycyclic aromatic hydrocarbon PBT persistent, bioaccumulative and toxic Chemical product category PC ΡE Polyethylene PNEC Predicted No Effect Concentration POCP Photochemical ozone creation potential parts per million ppm PROC Process category PTFE Polytetrafluorethylene REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals) 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List **REACH-IT List-No.** Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT. Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International RID Carriage of Dangerous Goods by Rail) SADT Self-Accelerating Decomposition Temperature Structure Activity Relationship SAR SU Sector of use SVHC Substances of Very High Concern Telephone Tel. ThOD Theoretical oxygen demand TOC Total organic carbon TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances) UN RTDG United Nations Recommendations on the Transport of Dangerous Goods Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria)) VhF VOC Volatile organic compounds very persistent and very bioaccumulative vPvB WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) WEL-TWA, WEL-STEL reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK). WHO World Health Organization wwt wet weight The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility. These statements were made by:



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