

Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

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

1.1 Product identifier

Trade name : Britemor 4455 Aerosol

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

Use of the Sub- : Penetrative liquid, fluorescent.
stance/Mixture

Recommended restrictions : None known.
on use

1.3 Details of the supplier of the safety data sheet

Company : Chemetall Ltd
Denbigh Road
Bletchley Milton Keynes MK1 1PB
Telephone : 01908 649333
Telefax : 01908 373939

Contact person product safety
Telephone : +49(0)6971653581
E-mail address : msds.de@chemetall.com

1.4 Emergency telephone number

Emergency telephone : 01908 649333
number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Extremely flammable	R12: Extremely flammable.
Irritant	R41: Risk of serious damage to eyes.
Dangerous for the environment	R52/53: Harmful to aquatic organisms, may cause

Britemor 4455 Aerosol

Version: 5.0



Revision Date 13.10.2014

Print Date 14.10.2014

long-term adverse effects in the aquatic environment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	 
Signal word	:	Danger
Hazard statements	:	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.
Precautionary statements	:	Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 Do not spray on an open flame or other ignition source. P251 Do not pierce or burn, even after use. P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P262 Do not get in eyes, on skin, or on clothing. 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. Response: P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/ attention. Storage: P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

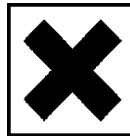
Hazardous components which must be listed on the label:

- 69227-21-0 Fatty alcohol alkoxyolate

Labelling according to EC Directives (1999/45/EC)

Hazard pictograms

:



Extremely flammable

Irritant

R-phrases

: R12
R41
R52/53

Extremely flammable.
Risk of serious damage to eyes.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

: S16

S23
S24/25
S26

S36/37/39

S51
S60

S61

Keep away from sources of ignition - No smoking.
Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear suitable protective clothing, gloves and eye/face protection.
Use only in well-ventilated areas.
This material and its container must be disposed of as hazardous waste.
Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Special labelling of certain mixtures

: Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.
Keep away from sources of ignition - No smoking.
Keep out of the reach of children.

2.3 Other hazards

Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

The information required is contained in this Material Safety Data Sheet.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical nature : Mixture of organic solvents containing surfactants.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0,03% aromatics	934-954-2 01-2119826592-36	Xn; R65 Nota H, Nota N	Asp. Tox. 1; H304	>= 25 - < 50
Fatty alcohol alkoxyate	69227-21-0	Xi; R41 N; R51/53	Eye Dam. 1; H318 Aquatic Chronic 2; H411	>= 10 - < 25
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5 203-961-6 01-2119475104-44	Xi; R36	Eye Irrit. 2; H319	>= 3 - < 10
Nonylphenol polyglycol ether	9016-45-9 500-024-6	Xi; R36/38 N; R51/53	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	>= 5 - < 10
Propane	74-98-6 200-827-9 01-2119486944-21	F+; R12	Flam. Gas 1; H220 Press. Gas	>= 2.5 - < 10

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

Alcohols, C11-14-iso-, C13-rich	68526-86-3 271-235-6 01-2119454259-32	N; R50	Aquatic Acute 1; H400	>= 2.5 - < 10
Ethoxylated Secondary Alcohols (C11 - 15)	68131-40-8	Xi; R38-R41	Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 2.5 - < 3
1H-Imidazole-1-ethanol,4,5-dihydro-, 2-nortall-oil alkyl derivs.	61791-39-7 263-171-2	Xn; R22 C; R34 N; R50/53	Acute Tox. 4; H302 Skin Corr. 1C; H314 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.1 - < 0.25

Substances with a workplace exposure limit :

Butane	106-97-8 203-448-7 01-2119474691-32	F+; R12 Nota C	Flam. Gas 1; H220 Press. Gas	>= 10 - < 25
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For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the Notas mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : First-aid crew: Ensure self-protection.
Move out of dangerous area.
Take off contaminated clothing and shoes immediately.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.

Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

- In case of skin contact : Wash off with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids.
Call a physician immediately.
- If swallowed : Rinse mouth with water.
Do NOT induce vomiting.
Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : Causes skin irritation.
Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.
For specialist advice physicians should contact the Poisons
Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Alcohol-resistant foam
Water spray
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : May form toxic gases on heating or in case of fire.
Carbon monoxide
Carbon dioxide (CO₂)
Aldehydes

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Use water spray to cool unopened containers.
Risk of bursting.

Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Ensure adequate ventilation.
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

See chapter 8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
Floor level ventilation required.
Have eye wash bottle or eye rinse ready at the work place.
To avoid risks to man and the environment, comply with the instructions for use.

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking.
Take precautionary measures against static discharges.
Vapours may form explosive mixtures with air.
Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.
Store in a place accessible by authorized persons only.
To maintain product quality, do not store in heat or direct sunlight.

Storage temperature : 5 - 40 °C

Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

7.3 Specific end use(s)

Specific use(s) : Penetrative liquid, fluorescent.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
Butane	106-97-8	TWA	600 ppm 1,450 mg/m ³	2007-08-01	GB EH40
Further information	: Carc: Capable of causing cancer and/or heritable genetic damage. The identified substances include those which: - are assigned the risk phrases 'R45: May cause cancer'; 'R46: may cause heritable genetic damage'; 'R49: May cause cancer by inhalation' or - a substance or process listed in Schedule 1 of COSHH. Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene				
	106-97-8	STEL	750 ppm 1,810 mg/m ³	2007-08-01	GB EH40
Further information	: Carc: Capable of causing cancer and/or heritable genetic damage. The identified substances include those which: - are assigned the risk phrases 'R45: May cause cancer'; 'R46: may cause heritable genetic damage'; 'R49: May cause cancer by inhalation' or - a substance or process listed in Schedule 1 of COSHH. Carcinogenic only applies if butane contains more than 0.1% of buta-1,3-diene				
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	112-34-5	TWA	10 ppm 67.5 mg/m ³	2009-12-19	2006/15/EC
Further information	: Indicative				
	112-34-5	STEL	15 ppm 101.2 mg/m ³	2009-12-19	2006/15/EC
Further information	: Indicative				
	112-34-5	TWA	10 ppm 67.5 mg/m ³	2007-08-01	GB EH40
	112-34-5	STEL	15 ppm	2007-08-01	GB EH40

Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

			101.2 mg/m3		
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DNEL/DMEL

2-(2-Butoxyethoxy)ethanol;
diethylene glycol monobutyl
ether

: End Use: DNEL, Industrial use, Workers
Exposure routes: Inhalation
Potential health effects: Acute local effects
Value: 14 ppm

End Use: DNEL, Industrial use, Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 10 ppm

End Use: DNEL, Industrial use, Workers
Exposure routes: Inhalation
Potential health effects: Acute effects, Long-term exposure
Value: 10 ppm

End Use: DNEL, Industrial use, Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 20 mg/kg

End Use: DNEL, Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 67.5 mg/m3

End Use: DNEL, Workers
Exposure routes: Inhalation
Potential health effects: Long-term local effects
Value: 67.5 mg/m3

Alcohols, C11-14-iso-, C13-
rich

: End Use: DNEL, Industrial use, Workers
Exposure routes: Skin contact
Potential health effects: Chronic effects, Systemic effects
Value: 416.67 mg/kg bw/d

End Use: DNEL, Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 293.86 mg/m3

Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

PNEC

2-(2-Butoxyethoxy)ethanol;
diethylene glycol monobutyl
ether : Fresh water
Value: 1 mg/l

Marine water
Value: 0.4 mg/l

Estuary sediment
Value: 4 mg/l

Alcohols, C11-14-iso-, C13-
rich : Marine water
Value: 0.03 mg/l

Behaviour in waste water treatment plants
Value: 105.3 mg/l

Fresh water sediment
Value: 115.6 mg/kg

Soil
Value: 93.7 mg/kg

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation, especially in confined areas.
Electrical equipment should be protected to the appropriate standard.
Use only explosion-proof equipment.

Personal protective equipment

Respiratory protection : In case of insufficient ventilation wear suitable respiratory
equipment.
Recommended Filter type:
AX-P2

Hand protection : Nitrile rubber
Protective gloves complying with EN 374.
Please observe the instructions regarding permeability and
breakthrough time which are provided by the supplier of the
gloves. Also take into consideration the specific local condi-
tions under which the product is used, such as the danger of
cuts, abrasion, and the contact time.

Eye protection : Eye protection (EN 166)
Tightly fitting safety goggles

Skin and body protection : Chemical resistant protective clothing according to DIN EN
13034 (Type 6)

Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

Hygiene measures : Take off contaminated clothing and shoes immediately.
Keep away from food, drink and animal feedingstuffs.
Wash hands before breaks and immediately after handling the product.
Avoid contact with skin and eyes.
Do not breathe vapour.
Do not breathe spray.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : aerosol
Colour : transparent
yellow
Odour : hydrocarbon-like
Flash point : > 100 °C
Method: ASTM D 93
Active substance
-60 °C
Butane/Propane
Density : 0.9 g/cm³
at 20 °C
Active substance
Water solubility : practically insoluble

9.2 Other information

Explosivity : Vapours may form explosive mixture with air.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Vapours may form explosive mixture with air.
Pressurised container: May burst if heated.

10.4 Conditions to avoid

Conditions to avoid : Keep away from open flames, hot surfaces and sources of ignition.
Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Risk of decomposition. : No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0,03% aromatics : LD50: > 5,000 mg/kg
Species: Rat
Method: OECD Test Guideline 401

Fatty alcohol alkoxyate : LD50: > 2,000 mg/kg

2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether : LD50: 3,384 mg/kg
Species: Rat

Nonylphenol polyglycol ether : LD50: > 2,000.0 mg/kg
Species: Rat

Alcohols, C11-14-iso-, C13-rich : LD50: > 2,000 mg/kg
Species: Rat
Method: Fixed Dose Method

1H-Imidazole-1-ethanol,4,5-dihydro-, 2-nortall-oil alkyl derivs. : LD50: 947 mg/kg
Species: Rat

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

Acute inhalation toxicity

Alcohols, C11-14-iso-, C13-rich : LC50: > 12 ppm
Exposure time: 6 h
Species: Rat
Method: OECD Test Guideline 403

Acute dermal toxicity

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0,03% aromatics : LD50: > 3,160 mg/kg
Species: Rabbit
Method: OECD Test Guideline 402

2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether : LD50: 2,700 mg/kg
Species: Rabbit

Alcohols, C11-14-iso-, C13-rich : LD50: > 2,000 mg/kg
Species: Rabbit
Method: OECD Test Guideline 402

Skin corrosion/irritation

Skin irritation : Causes skin irritation.

Serious eye damage/eye irritation

Eye irritation : Causes serious eye damage.

Respiratory or skin sensitisation

Sensitisation : No data available

SECTION 12: Ecological information

12.1 Toxicity

Ecotoxicology studies for the product are not available.

Toxicity to fish

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0,03% aromatics : LC50: > 1,028 mg/l
Exposure time: 96 h
Species: Fish
Method: OECD Test Guideline 203

NOEC: > 1,000 mg/l
Exposure time: 28 d

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

	Species: Oncorhynchus mykiss (rainbow trout)
Fatty alcohol alkoxylate	: LC50: > 0.1 - 1 mg/l Exposure time: 96 h Species: Brachydanio rerio (Zebra danio)
2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether	: LC50: 2,750 mg/l Exposure time: 48 h Species: Leuciscus idus (Golden orfe) Method: DIN 38412
	LC50: 1,300 mg/l Exposure time: 96 h Species: Lepomis macrochirus (Bluegill sunfish)
Nonylphenol polyglycol ether	: LC50: > 1 - 10 mg/l Exposure time: 96 h Species: Brachydanio rerio (Zebra danio)
Alcohols, C11-14-iso-, C13- rich	: LC50: 0.42 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout)
1H-Imidazole-1-ethanol,4,5- dihydro-, 2-nortall-oil alkyl derivs.	: LC50: 0.63 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates

Hydrocarbons, C13-C16, n-
alkanes, isoalkanes, cyclics,
< 0,03% aromatics : LC50: > 3,193 mg/l
Exposure time: 48 h
Method: ISO 14669 and PARCOM method

NOEC: > 1,000 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

Fatty alcohol alkoxylate : EC50: 1 - 10 mg/l
Exposure time: 48 h
Species: Daphnia (water flea)

2-(2-Butoxyethoxy)ethanol;
diethylene glycol monobutyl
ether : EC50: 2,850 mg/l
Exposure time: 48 h
Species: Daphnia (water flea)

Alcohols, C11-14-iso-, C13-
rich : LC50: 0.71 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

Toxicity to algae

Hydrocarbons, C13-C16, n-alkanes, isoalkanes, cyclics, < 0,03% aromatics : ErC50: > 10,000 mg/l
Exposure time: 72 h
Species: Skeletonema costatum

2-(2-Butoxyethoxy)ethanol; diethylene glycol monobutyl ether : NOEC: > 100 mg/l
Exposure time: 96 h
Species: Desmodesmus subspicatus (green algae)
Method: OECD Test Guideline 201

12.2 Persistence and degradability

Biodegradability : No data available

12.3 Bioaccumulative potential

Bioaccumulation : Bioaccumulation is unlikely.

12.4 Mobility in soil

Distribution among environmental compartments : No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

Additional ecological information : water endangering
Harmful to aquatic life with long lasting effects.
Even leakage of small amounts in the subsoil can contaminate drinking water.
Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.

Waste Code : Waste codes should be assigned by the user, preferably in

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

discussion with the waste disposal authorities.

SECTION 14: Transport information

ADR

UN number : 1950
UN proper shipping name : AEROSOLS Butane, Propane
Transport hazard class(es) : 2
Classification Code : 5F
Limited Quantity (LQ) Inner : 1.00 L
Packaging
Maximum quantity : 30.00 KG
Labels : 2.1
Tunnel restriction code : (D)
Environmentally hazardous : no

IATA

UN number : 1950
Description of the goods : Aerosols, flammable Butane, Propane
Class : 2.1
Labels : 2.1

IATA_C

Packing instruction (cargo aircraft) : 203
Packing instruction (LQ) : Y203
Maximum quantity : 150.00 KG
Environmentally hazardous : no

IATA_P

Packing instruction (passenger aircraft) : 203
Packing instruction (LQ) : Y203
Maximum quantity : 75.00 KG
Environmentally hazardous : no

IMDG

UN number : 1950
Description of the goods : AEROSOLS Butane, Propane
Class : 2.1
Labels : 2.1
EmS Number 1 : F-D
EmS Number 2 : S-U
Marine pollutant : no

**Shaded from sources of heat.
"IMDG-Code segregation group not applicable".**

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

**Shaded from sources of heat.
"IMDG-Code segregation group not applicable".**

RID

UN number : 1950
Description of the goods : AEROSOLSButane , Propane
Transport hazard class(es) : 2
Classification Code : 5F
Hazard Identification Number : 23
Labels : 2.1
Limited Quantity (LQ) Inner : 1.00 L
Packaging
Maximum quantity : 30.00 KG

Environmentally hazardous : no

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Nonylphenol polyglycol ether

Water contaminating class (Germany) : WGK 2 water endangering
VWVWS A4

Other regulations : The product is classified and labelled in accordance with EC directives or respective national laws.
Regional or national implementations of GHS may not implement all hazard classes and categories.

: Classification / Labeling according to Directive 2008/47/EU.

15.2 Chemical Safety Assessment

For a mixture it is not mandatory to include an exposure scenario in the material safety data sheet.
The necessary safety - related information is stated in the first 16 sections.

SECTION 16: Other information

Full text of R-phrases referred to under sections 2 and 3

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

R12	Extremely flammable.
R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R36/38	Irritating to eyes and skin.
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.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

Full text of H-Statements referred to under sections 2 and 3.

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Full text of Notas referred to under section 3

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Britemor 4455 Aerosol

Version: 5.0

Revision Date 13.10.2014

Print Date 14.10.2014

- Nota C** Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In Annex I, a general designation of the following type is sometimes used: "xylenol". In this case the manufacturer or any other person who markets such a substance must state on the label whether the substance is a specific isomer (a) or a mixture of isomers (b). Example: (a) 2,4-dimethylphenol (b) xyleneol (mixture of isomers).
- Nota H** The classification and label shown for this substance applies to the dangerous property(ies) indicated by the risk phrase(s) in combination with the category(ies) of danger shown. The manufacturers, importers and downstream users of this substance shall be obliged to carry out an investigation to make themselves aware of the relevant and accessible data which exists for all other properties to classify and label the substance. The final label shall follow the requirements of section 7 of Annex VI of this Directive.
- Nota N** The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen. This note applies only to certain complex oil derived substances in Annex I.

Further information

The information provided is based on our current knowledge and experience and apply to the product as delivered. Regarding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.