

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

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

1.1 Product identifier

Trade name : 90-M 4 tropical 5L 5L Plastic jerricans

Product code : 000000000050339712

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

Use of the : Spraying

Substance/Mixture : Basecoat product

1.3 Details of the supplier of the safety data sheet

Company:

BASF Coatings GmbH
Postfach 6123
48136 Münster
Deutschland

Contact address:

BASF plc
4th and 5th Floors, 2 Stockport Exchange
Railway Road, Stockport, SK1 3GG
United Kingdom

Telephone: +44 161 475 3000

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



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90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

E-mail address: product-safety-uk-and-ireland@basf.com

1.4 Emergency telephone

International emergency number:
Telephone: +49 180 2273-112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

Serious eye damage, Category 1

H318: Causes serious eye damage.

Skin sensitization, Category 1

H317: May cause an allergic skin reaction.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567)

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version 2.0 Revision Date: 25.04.2025 SDS Number: 000000000050339712 Date of last issue: 12.12.2023
Date of first issue: 12.12.2023

Hazard pictograms



Signal Word

: Danger

Hazard Statements

: H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Precautionary Statements

: **Prevention:**
P261 Avoid breathing mist or vapors.
P280 Wear protective gloves/ eye protection/ face protection.
Response:
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

CENTER/ doctor.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous ingredients which must be listed on the label:

propan-1-ol

1,2-benzisothiazol-3(2H)-one

2-methyl-2H-isothiazol-3-one

2.3 Other hazards

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.

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : polyurethane
organic solvent
Water

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
propan-1-ol	71-23-8 200-746-9	Flam. Liq. 2; H225 Eye Dam. 1; H318	>= 3 - < 5

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

	603-003-00-0 UK-20- 0537843089-5- 0000 UK-20- 9642318150-0- 0000	STOT SE 3; H336 (Central nervous system)	
1,2-benzisothiazol-3(2H)-one	2634-33-5 220-120-9 613-088-00-6 UK-20- 9702550300-0- 0000 UK-20- 0537843089-5- 0000	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0.025 - < 0.05

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version 2.0 Revision Date: 25.04.2025 SDS Number: 00000000050339712 Date of last issue: 12.12.2023
Date of first issue: 12.12.2023

		M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1 specific concentration limit Skin Sens. 1; H317 >= 0.05 %	
2-methyl-2H-isothiazol-3-one	2682-20-4 220-239-6	Acute Tox. 3; H301	>= 0.0015 - < 0.0025

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339712	Date of first issue: 12.12.2023

613-326-00-9	Acute Tox. 2; H330
UK-20- 9702550300-0- 0000	Acute Tox. 3; H311
UK-20- 0537843089-5- 0000	Skin Corr. 1B; H314
	Eye Dam. 1; H318
	Skin Sens. 1A; H317
	Aquatic Acute 1; H400
	Aquatic Chronic 1; H410

	M-Factor (Acute aquatic toxicity): 10

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

		M-Factor (Chronic aquatic toxicity): 1 <hr/> specific concentration limit Skin Sens. 1A; H317 >= 0.0015 %	
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For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice : First aid personnel should pay attention to their own safety.
If the patient is likely to become unconscious, place and

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

transport in stable sideways position (recovery position).
Immediately remove contaminated clothing.
In all cases of doubt, or when symptoms persist, seek
medical attention.
Move out of dangerous area.
Never give anything by mouth to an unconscious person.

If inhaled : If symptoms persist, call a physician.
If breathed in, move person into fresh air.
If breathing is irregular or stopped, administer artificial
respiration.

In case of skin contact : If symptoms persist, call a physician.
Wash off immediately with soap and plenty of water
while removing all contaminated clothes and shoes.
Do NOT use solvents or thinners.

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

In case of eye contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

Call a physician immediately.

If easy to do, remove contact lens, if worn.

If swallowed : If symptoms persist, call a physician.

Do NOT induce vomiting.

Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	00000000050339 712	Date of first issue: 12.12.2023

Risks : May cause an allergic skin reaction.
Causes serious eye damage.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No known specific antidote.
Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

Unsuitable extinguishing media : High volume water jet

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire : Hazardous decomposition products formed under fire fighting conditions.

5.3 Advice for firefighters

Special protective : Appropriate breathing apparatus may be required.
equipment for fire-fighters

Further information : In the event of fire, cool tanks with water spray.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Collect contaminated fire extinguishing water separately.
This must not be discharged into drains.

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid breathing vapours.

Keep away from sources of ignition.

Advice on product handling can be found in sections 7
and 8 of this safety data sheet.

For non-emergency personnel:

For emergency responders:

Use personal protective equipment.

Ensure adequate ventilation, especially in confined
areas.

6.2 Environmental precautions

Environmental precautions : Do not allow uncontrolled discharge of product into the
environment.

Avoid subsoil penetration.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material 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

For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	00000000050339 712	Date of first issue: 12.12.2023

Do not return residues to the storage containers.

Smoking, eating and drinking are forbidden in application area. For personal protection see section 8. Comply with the health and safety at work laws.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.

The workplace should be equipped with an emergency shower and eye-rinsing facility.

Avoid contact with the skin, eyes and clothing.

Handle in accordance with good industrial hygiene and safety practice.

Do not breathe vapors or spray mist.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	00000000050339 712	Date of first issue: 12.12.2023

Advice on protection against fire and explosion : Avoid all sources of ignition: heat, sparks, open flame. The relevant fire protection measures should be noted.

Hygiene measures : Remove contaminated clothing immediately and dispose of safely. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Further information on storage conditions : Keep away from heat. Avoid direct sunlight. Close containers carefully once opened and store them upright in order to prevent any leakage. No smoking. No admission for unauthorised personnel. Always keep in containers of same material as the original one. Observe label precautions. Store protected against freezing. Keep in a dry, cool and well-ventilated place.

Advice on common storage : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

reactions.

Recommended storage temperature : 5 - 40 °C

Packaging material : Suitable material: Stove-lacquer R 78433, Stove-lacquer EHD0022, High density polyethylene (HDPE), Low density polyethylene (LDPE), Polyethylenetherephthalate (PET), Polypropylene, Stainless steel 1.4301 (V2)

7.3 Specific end use(s)

Specific use(s) : Please refer to the technical leaflet for further information.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version 2.0 Revision Date: 25.04.2025 SDS Number: 000000000050339712 Date of last issue: 12.12.2023
Date of first issue: 12.12.2023

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propan-1-ol	71-23-8	TWA	200 ppm 500 mg/m ³	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	250 ppm 625 mg/m ³	GB EH40
	Further information: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			

8.2 Exposure controls

Engineering measures

Ensure adequate ventilation.

Personal protective equipment

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	00000000050339 712	Date of first issue: 12.12.2023

Eye/face protection : Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Required when there is a risk of eye contact.

Hand protection

Remarks : Wear protective gloves. Any chemical protection glove certified according to EN ISO 374-1 is suitable: e.g. nitrile gloves - material thickness: 0,35 mm Further information on penetration time is available from the manufacturer of the glove. Data are based on information from the glove manufacturer, the raw material manufacturer or according to specifics of the product components. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Request information on glove permeation properties from the glove supplier. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Preventive skin protection Suitable materials for short-

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	00000000050339 712	Date of first issue: 12.12.2023

term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1) Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): Suitable materials against splashes (recommended: At least protective index 1, corresponding > 10 minutes of permeation time according to EN ISO 374-1)

Skin and body protection : chemical-resistant disposable coveralls

Personnel should wear antistatic, flame-retardant clothing made of natural fibres and/or heat-resistant synthetic fibres.

Respiratory protection : Suitable respiratory equipment:

half-mask with A1P2 class combination filter

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

In case of mist, spray or aerosol exposure wear suitable

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

Protective measures : personal respiratory protection and protective suit.
: Do not breathe vapour/spray.
Eye wash fountains and safety showers must be easily accessible.
If these are not sufficient to maintain concentrations at the workplace below the occupational exposure limits, appropriate certified respirators must be worn.
Avoid contact with the skin, eyes and clothing.
Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Color	:	colorless
Odor	:	of glycol
pH	:	7.0 - 9.0
		Concentration: 500.00000 g/l

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

Melting point/ range : not determined

Boiling point/boiling range : not determined

Flash point : > 70 °C
Method: ISO 3679

Lower explosion limit / Lower
flammability limit : > 35 g/m³

Vapor pressure : not determined (20 °C)
not determined (50 °C)

Relative vapor density : Lighter than air.

Density : 1.005 g/cm³ (20 °C)

Solubility(ies)

Water solubility : not determined

Partition coefficient: n-
octanol/water : not applicable for mixtures

Autoignition temperature : > 200 °C

Decomposition temperature : No decomposition if stored and handled as
prescribed/indicated.

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

Viscosity
Viscosity, kinematic : not determined (40 °C)
14.9 mm²/s (23 °C)

Flow time : 44 s at 23 °C
Cross section: 3 mm
Method: ISO 2431

Explosive properties : Not explosive

Oxidizing properties : The substance or mixture is not classified as oxidizing.

9.2 Other information

Flammability (liquids) : Combustible liquid.

Self-heating substances : The substance or mixture is not classified as self heating.

Metal corrosion rate : Not corrosive to metals.

Particle size : The substance / product is marketed or used in a non solid or granular form.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No hazardous reactions when stored and handled according to instructions.

10.4 Conditions to avoid

Conditions to avoid : Avoid direct sunlight.
Protect from frost.
Heat.

10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Components:

2-methyl-2H-isothiazol-3-one:

Acute inhalation toxicity : LC50 (Rat, male and female): 0.11 mg/l
Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

GLP: yes

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration toxicity

Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

SECTION 12: Ecological information

12.1 Toxicity

Components:

1,2-benzisothiazol-3(2H)-one:

M-Factor (Acute aquatic toxicity) : 1

M-Factor (Chronic aquatic toxicity) : 1

2-methyl-2H-isothiazol-3-one:

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 1

12.2 Persistence and degradability

No data available

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

12.3 Bioaccumulative potential

Components:

propan-1-ol:

Partition coefficient: n- : log Pow: 0.2 (25 °C)
octanol/water
Method: OECD Test Guideline 117
GLP: yes

1,2-benzisothiazol-3(2H)-one:

Partition coefficient: n- : log Pow: 0.7 (20 °C)
octanol/water
GLP: yes

2-methyl-2H-isothiazol-3-one:

Partition coefficient: n- : log Pow: -0.486 (25 °C)
octanol/water
pH: 7
Method: OECD Test Guideline 107
GLP: yes

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

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

Product:

Endocrine disrupting potential : This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

SECTION 13: Disposal considerations

13.1 Waste treatment methods

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

Product : Do not discharge into drains/surface waters/groundwater.
Observe national and local legal requirements.

Contaminated packaging : Containers which are not properly emptied must be disposed pursuant to Directive 2008/98/EC
Packaging that is not properly emptied must be disposed of as the unused product.

SECTION 14: Transport information

14.1 UN number

ADN	: Not regulated as a dangerous good
ADR	: Not regulated as a dangerous good
RID	: Not regulated as a dangerous good

SAFETY DATA SHEET

According to REACH Regulation (EC) No
1907/2006, as amended by UK REACH
Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

ADN : Not regulated as a dangerous good

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADN : Not regulated as a dangerous good

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

SAFETY DATA SHEET

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We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.4 Packing group

ADN : Not regulated as a dangerous good

ADR : Not regulated as a dangerous good

RID : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA (Cargo) : Not regulated as a dangerous good

IATA (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

SAFETY DATA SHEET

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We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

SECTION 15: Regulatory information

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

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17) : Conditions of restriction for the following entries should be considered:
Number on list 3

UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation : Not applicable

The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain) : Not applicable

Regulation (EC) on substances that deplete the ozone layer : Not applicable

UK REACH List of substances subject to : Not applicable

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

authorisation (Annex XIV)

Control of Major Accident Hazards
Regulations 2015 (COMAH)

Not applicable

Volatile organic
compounds

: Volatile organic compounds (VOC) content: 175 g/l

Directive 2010/75/EU of 24 November 2010 on
industrial emissions (integrated pollution prevention and
control)

Volatile organic compounds (VOC) content: 3.1 %

Other regulations:

Take note of The Management of Health and Safety at Work Regulations 1999 (requirements relating to new and expectant mothers at work contained in Regulation 16 to 18) and of the Pregnant Workers Directive 92/85/EEC.

Take note of The Management of Health and Safety at Work Regulations 1999

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

(requirements relating to protection of young people at work contained in Regulation 19) and of Directive 94/33/EC on the protection of young people at work.

Details relating to the VOC Directive 2004/42/EC:

Subcategory as indicated in Annex IIB:

dropped

Limit value for maximum VOC content as specified in Annex IIB:

dropped

15.2 Chemical Safety Assessment

Assessment of safe use has been performed for the mixture and the result is documented in section 7 and 8 of the SDS

SECTION 16: Other information

Full text of H-Statements

H225	: Highly flammable liquid and vapor.
H301	: Toxic if swallowed.
H302	: Harmful if swallowed.
H311	: Toxic in contact with skin.
H314	: Causes severe skin burns and eye damage.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H330	: Fatal if inhaled.
H336	: May cause drowsiness or dizziness.
H400	: Very toxic to aquatic life.

SAFETY DATA SHEET

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Regulations SI 2019/758



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90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	00000000050339 712	Date of first issue: 12.12.2023

H410 : Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard
Eye Dam. : Serious eye damage
Flam. Liq. : Flammable liquids
Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitization
STOT SE : Specific target organ toxicity - single exposure
GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health

SAFETY DATA SHEET

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758



We create chemistry

90-M 4 tropical 5L 5L Plastic jerricans

Version	Revision Date:	SDS Number:	Date of last issue: 12.12.2023
2.0	25.04.2025	000000000050339 712	Date of first issue: 12.12.2023

Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

Other information : For multi-pack systems observe material safety data sheets of all components.
Restricted to professional users.

Classification of the mixture:

Eye Dam. 1	H318
Skin Sens. 1	H317

Classification procedure:

Calculation method
Calculation method

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