

SAFETY DATA SHEET

(Conforms to Annex II of REACH (1907/2006) -
Regulation 2020/878)

Product name: ARKA myScape – CO2 Checker
Revision Date: 03/01/2023
Version: 1.0

SDS Number: SDS202301034228
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product name : ARKA myScape – CO2 Checker
Product code : MSCO2CR

Recommended use of the chemical and restrictions on use

Identified use : CO2 Checker
Uses advised against : Not Applicable

Details of the supplier of the SDS

ARKA Biotechnologie GmbH
Mühlach 53-55,
D-90552, Röthenbach,
Germany

Emergency telephone number

Tel: +49 (0)911 5698610 00, or contact your
local emergency telephone number.

Product Information

Tel: +49 (0)911 5698610 00
E-mail: info@arka-biotech.de

2. HAZARDS IDENTIFICATION

GHS-Classification (In according to EU REGULATION (EC) No 1272/2008)

Hazard classification : This product is not considered as hazardous according to EU
REGULATION (EC) No 1272/2008.

GHS-Labeling(In according to EU REGULATION (EC) No 1272/2008)

Hazard pictograms : Not applicable
Signal word : Not applicable
Hazard statements : Not applicable
Supplementary statements : Not applicable
Precautionary statements : **Prevention:**
Not applicable
Response:
Not applicable
Storage:
Not applicable
Disposal:
Not applicable

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Other hazards which do not result in classification

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

This product contains no components identified as having endocrine disrupting properties.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product type(substance/mixture) : Mixture

Hazardous ingredients

Chemical name	CAS-No./ EC No	Classification (EU REGULATION (EC) No 1272/2008)	Concentration
Deionized Water	7732-18-5/ 231-791-2	Not classified	99-99.9%
Bromocresol Green	76-60-8/ 200-972-8	Not classified	0.1-1%

4. FIRST AID MEASURES

General advice	: Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	: If breathed in, move person into fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
In case of skin contact	: If on skin, rinse well with soap and water. If symptoms persist, call a physician.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. If symptoms persist, call a physician.
If swallowed	: Rinse mouth with water. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.
Risks	: No data available.
Indication of any immediate medical attention and special treatment needed	: No hazards which require special first aid measures. Treat symptomatically and supportively.

5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: Water stream.
Specific hazards during	: There is no potential for spontaneous fire or explosion.

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firefighting : Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus and personal protective equipment.

Further information : Suppress (knock down) gases/vapors/mists with a water spray jet.
Prevent fire extinguishing water from contaminating surface water or the ground water system.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid inhalation of dusts/mist/gas/vapor.
Evacuate the danger area, observe emergency procedures, consult an expert.
For personal protection see section 8.

Environmental precautions : No environmental precautions required.

Methods for cleaning up : Absorb and/or contain spill with inert absorbent materials(sand, diatomite, universal binders, sawdust), and place in container for disposal according to local / national regulations (see section 13).

Additional advice : Comply with all applicable national and local regulations.

7. HANDLING AND STORAGE

Handling

Advice on safe handling : Handle in accordance with good hygiene and safety procedures.
For personal protection see section 8.

Advice on protection against fire and explosion : Normal fire protection measure.

Storage

Requirements for storage areas and containers : Keep container tightly closed in a cool, dry and well-ventilated place.
Keep out of reach of children.

Materials to avoid : No data available.

Other data : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no ingredients with known occupational exposure limits.

Components	CAS-No.	Limit value-8h(mg/m ³)	Limit value-short term(mg/m ³)	Basis
-	-	-	-	-

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Engineering measures

Handle in accordance with good industrial hygiene and safety practice.

Personal protective equipment

Respiratory protection	: Not respirator required under normal conditions of use.
Hand protection	: Not required under normal conditions of use.
Eye protection	: Not required under normal conditions of use.
Skin and body protection	: Not required under normal conditions of use.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Liquid
Color	: Green
Odor	: Odorless
Odor Threshold	: No data available
Flash point	: No data available
Ignition temperature	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Flammability (solid, gas)	: Non-flammable
pH	: No data available
Melting point/freezing point	: No data available
Boiling point	: No data available
Density	: No data available
Vapour pressure	: No data available
Decomposition temperature	: No data available
Water solubility	: Soluble in water
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: No data available
Viscosity, kinematic	: No data available

10. STABILITY AND REACTIVITY

Reactivity	: This product is non-reactive under normal use, storage and transport conditions.
Chemical stability	: Stable under recommend storage condition.
Possibility of hazardous reactions	: Product will not undergo hazardous polymerization.
Conditions to avoid	: No data available.
Incompatible materials	: No data available.

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Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous decomposition products formed under fire conditions.
- Carbon oxides, sulfur oxides, hydrogen bromide gas.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Acute oral toxicity : No data available

Acute dermal toxicity : No data available

Acute inhalation toxicity : No data available

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Endocrine Disruption Properties

Not Available.

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12. ECOLOGICAL INFORMATION

Ecotoxicity

Not classified based on available information.

Toxicity to fish : No data available

Toxicity to daphnia : No data available
and other aquatic
invertebrates

Persistence and degradability

Biodegradability : No data available

Theoretical Oxygen : No data available
Demand (TOD)

Bioaccumulative potential

Partition coefficient: n- : No data available
octanol/water

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Endocrine Disruption Properties

No data available.

Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

General advice : Dispose of in accordance with all applicable local, state and
federal regulations.

14. TRANSPORT INFORMATION

International transport regulations

GROUND TRANSPORT (EU ADR)

UN Number: not regulated/non-dangerous goods

Proper Shipping Name: Not Applicable

Hazard classes: Not Applicable

Packing group: Not Applicable

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Environmental hazard: Not Applicable

Special precautions for user:

- Hazard identification (Kemler): Not Applicable
- Classification code: Not Applicable
- Hazard Label: Not Applicable
- Special provisions: Not Applicable
- Limited quantity: Not Applicable
- Tunnel Restriction Code: Not Applicable

SEA TRANSPORT/INTERNATIONAL MARITIME DANGEROUS GOODS(IMDG Code, 2022 Edition Amendment 41-22)

UN Number: not regulated/non-dangerous goods

Proper Shipping Name: Not Applicable

Hazard classes: Not Applicable

Packing group: Not Applicable

Environmental hazard: Not Applicable

Special precautions for user:

- EMS Number: Not Applicable
- Special provisions: Not Applicable
- Limited Quantities: Not Applicable

Transport in bulk according to Annex II of MARPOL and the IBC code: Not Applicable

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code: Not Available

Transport in bulk in accordance with the ICG Code: Not Available

AIR TRANSPORT/INTERNATIONAL AIR TRANSPORT ASSOCIATION(IATA DGR, 64th Edition)

UN Number: not regulated/non-dangerous goods

Proper Shipping Name: Not Applicable

Hazard classes: Not Applicable

Packing group: Not Applicable

Environmental hazard: Not Applicable

Special precautions for user:

- Cargo Only Packing Instructions: Not Applicable
- Cargo Only Maximum Qty / Pack: Not Applicable
- Passenger and Cargo Packing Instructions: Not Applicable
- Passenger and Cargo Maximum Qty / Pack: Not Applicable
- Passenger and Cargo Limited Quantity Packing Instructions: Not Applicable
- Passenger and Cargo Limited Maximum Qty / Pack: Not Applicable

15. REGULATORY INFORMATION

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

16. OTHER INFORMATION

Further information

Revision Date: 03/01/2023

Full H-code

No available

Disclaimer:

This SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by us to be dependable and is accurate to the best of our knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. We assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

****End of Safety Data Sheet*****