

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1. Product identifier:**
MR721 – MediaRange Screen cleaning liquid with microfiber cloth, 250 ml
- 1.2. Relevant identified uses of the mixture and uses advised against:**
For cleaning monitors and screens.
For consumer use.
Uses advised against: Not determined.
- 1.3. Details of the supplier of the safety data sheet:**
Information about the distributor/importer:
MediaRange GmbH
Zum Quellenpark 29,
65812 Bad Soden am Taunus
Germany
Tel.: +49 (0) 6196 523 8180
- 1.3.1.** Responsible person: Scott Krisztinkovics
E-mail: scott@mediarange.de
- 1.4. Emergency telephone number:** **+49 (0) 6196 – 5238186, Monday – Friday 10:00 - 16:00, (DE/EN)**

SECTION 2: HAZARDS IDENTIFICATION

- 2.1. Classification of the mixture:**
Classification according to Regulation (EC) No 1272/2008 (CLP):
Not considered as hazardous mixture.
Hazard statements:
No hazard statements.
Full text of all classifications and hazard statements is given in the section 16.
- 2.2. Label elements:**
Hazard statements:
No hazard statements.
Precautionary statements:
No precautionary statements.
- EUH 208** – Contains 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
- Contents according to Regulation (EC) No 648/2004 on detergents:
Preservatives (METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE, 2-BROMO-2-NITROPROPANE-1,3-DIOL)
- 2.3. Other hazards:**
The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1. Substances:**
Not applicable.

3.2. Mixtures:

Description	CAS number	EC number / ECHA list number	REACH registration number	Conc. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)		
					Pictogram, signal word code(s)	Hazard class and category code(s)	Hazard statement code(s)
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) Index number: 613-167-00-5 Note B	55965-84-9	-	-	< 0.0015	GHS06 GHS05 GHS09 Danger	Acute Tox. 2 Acute Tox. 2 Acute Tox. 3 Skin Corr. 1C Eye Dam. 1 Skin Sens. 1A Aquatic Acute 1 (M factor = 100) Aquatic Chronic 1 (M factor = 100)	H330 H310 H301 H314 H318 H317 H400 H410

Note B:

Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations.

Specific concentration limits:

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CAS: 55965-84-9):

Skin Corr. 1C; H314: C ≥ 0,6 %

Skin Irrit. 2; H315: 0,06 % ≤ C < 0,6 %

Eye Dam. 1; H318: C ≥ 0,6 %

Eye Irrit. 2; H319: 0,06 % ≤ C < 0,6 %

Skin Sens. 1A; H317: C ≥ 0,0015 %

For the full text of hazard statements, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

INGESTION:

Measures:

- Rinse mouth with water.
- Do not induce vomiting.
- Never give anything by mouth to an unconscious person.
- Consult a doctor if disturbing symptoms appear.

INHALATION:

Measures:

- Take the victim into fresh air.
- Keep the victim warm and calm.
- Consult a doctor if disturbing symptoms appear.

SKIN CONTACT:

Measures:

- Consult a doctor if disturbing symptoms appear.
- Wash the contaminated skin with plenty of water with soap.

EYE CONTACT:

Measures:

- Consult a doctor if disturbing symptoms appear.
- Protect the non-irritated eye, remove contact lenses.
- Wash the contaminated eyes with plenty of water for 5-10 minutes.
- Avoid powerful water stream – risk of cornea damage.

- 4.2. **Most important symptoms and effects, both acute and delayed:**
Contact with skin: in case of a prolonged or frequent contact with the product, it may cause dryness, redness, allergic reaction.
- 4.3. **Indication of any immediate medical attention and special treatment needed:**
Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

SECTION 5: FIREFIGHTING MEASURES

- 5.1. **Extinguishing media:**
Suitable extinguishing media:
Non-flammable product. Choose extinguishing media depending on surrounding fire.
Unsuitable extinguishing media:
Do not use full water jet, because it can disperse and spread fire.
- 5.2. **Special hazards arising from the substance or mixture:**
During the fire, the product may produce toxic fumes containing carbon oxides. Do not inhale combustion products, they can be dangerous for human health.
- 5.3. **Advice for firefighters:**
Wear full protective clothing and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. **Personal precautions, protective equipment and emergency procedures:**
For non-emergency personnel:
Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.
For emergency responders:
Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed.
Avoid skin and eye contamination.
- 6.2. **Environmental precautions:**
Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.
- 6.3. **Methods and material for containment and cleaning up:**
Collect spills with liquid absorbing materials (sand, diatomaceous earth, universal binding agents etc.) to the labelled containers.
Clean the contaminated area.
- 6.4. **Reference to other sections:**
For further and detailed information see Sections 7, 8 and 13.

SECTION 7: HANDLING AND STORAGE

- 7.1. **Precautions for safe handling:**
Observe conventional hygiene precautions.
Observe the pertinent regulations on industrial safety and basic hygiene rules.
Avoid contact with skin and eyes.
Wash hands before breaks and at the end of the work.
Use in accordance with the intended purpose.
Technical measures:
No special measures required.
Precautions against fire and explosion:
No special measures required.
- 7.2. **Conditions for safe storage, including any incompatibilities:**
Technical measures and storage condition:
Keep only in original, tightly closed containers.
Keep away from food, beverages or animal feed.
Avoid direct sunlight.
Keep away from fire.
Incompatible materials: See Section 10.5
Packaging material: No special prescriptions.
- 7.3. **Specific end use(s):**
There is no information about other uses than those mentioned in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values (Commission Directive (EC) No 2000/39 of 8 June 2000):

The components of the mixture are not regulated with exposure limit value.

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	no data	no data	no data

PNEC values		
Compartment	Value	Note(s)
Freshwater	no data	no notes
Marine water	no data	no notes
Freshwater sediment	no data	no notes
Marine water sediment	no data	no notes
Sewage Treatment Plant (STP)	no data	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes

8.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

Appropriate engineering controls:

In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin.

Individual protection measures, such as personal protective equipment:

Observe the pertinent regulations on industrial safety and basic hygiene rules.

Do not eat, drink and smoke during the work.

Wash hands before breaks and at the end of the work.

Avoid contact with skin and eyes.

The information regarding personal protective equipment is only for informative purposes. A complete risk assessment is required before the use of the product for the determination of the appropriate personal protective equipment, taking local circumstances into account.

- Eye/face protection:** Not required.
- Skin protection:**
 - Hand protection:** Not required.
 - Other:** Not required.
- Respiratory protection:** In case of adequate ventilation, it is not required.
- Thermal hazards:** No thermal hazards known.

Environmental exposure controls:

Do not allow the large quantity of mixture to contaminate ground water, wastewater, sewer system or soil.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter	Value / Test method / Remarks
1. Physical state	liquid
2. Colour	colourless

3.	Odour, odour threshold	no data*
4.	Melting point/freezing point	no data*
5.	Boiling point or initial boiling point and boiling range	100 °C
6.	Flammability	not applicable
7.	Lower and upper explosion limit	not applicable
8.	Flash point	not applicable, not-flammable
9.	Auto-ignition temperature	product is not auto-igniting
10.	Decomposition temperature	no data*
11.	pH	no data*
12.	Kinematic viscosity	no data*
13.	Solubility in water in other solvents	soluble in water no data*
14.	Partition coefficient n-octanol/water (log value)	no data*
15.	Vapour pressure	no data*
16.	Density and/or relative density	no data*
17.	Relative vapour density	no data*
18.	Particle characteristics	no data*

9.2. **Other information:**

Information with regard to physical hazard classes:

No further data available or not applicable for the product.

Other safety characteristics:

No other characteristics available.

*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet, or the property is not applicable for the product.

SECTION 10: STABILITY AND REACTIVITY

10.1. **Reactivity:**

Product does not undergo a dangerous polymerization. See also section 10.3-10.5.

10.2. **Chemical stability:**

The product is stable under normal conditions of storage and use.

10.3. **Possibility of hazardous reactions:**

Hazardous reactions are not known.

10.4. **Conditions to avoid:**

Avoid heat sources and direct sunlight.

10.5. **Incompatible materials:**

Strong oxidants.

10.6. **Hazardous decomposition products:**

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. **Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

Acute toxicity:

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

Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

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 hazard:

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

Summaries of the information derived from the test conducted:

No data available.

Relevant toxicological properties:

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

Respiratory or skin sensitisation:

The product contains a component which may cause allergic reaction after skin contact in susceptible individuals.

Information on likely routes of exposure:

Ingestion, inhalation, skin contact, eye contact.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Contains 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Interactive effects:

No data available.

Absence of specific data:

No information.

11.2. Information on other hazards:

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Acute toxicity

12.2. Persistence and degradability:

Product is subject to biodegradation.

12.3. Bioaccumulative potential:

Not expected to bioaccumulate.

12.4. Mobility in soil:

Product is mobile in soil and aquatic environment.

12.5. Results of PBT and vPvB assessment:

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended

12.6. Endocrine disrupting properties:

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

12.7. Other adverse effects:

No further data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation:

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.
Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: TRANSPORT INFORMATION

Not subject to the conventions of carriage of dangerous goods.

- 14.1. **UN number or ID number:**
No UN Number.
- 14.2. **UN proper shipping name:**
No proper shipping name.
- 14.3. **Transport hazard class(es):**
No transport hazard classes.
- 14.4. **Packing group:**
No packing group.
- 14.5. **Environmental hazards:**
No relevant information available.
- 14.6. **Special precautions for user:**
Reference in the Sections 4 - 8.
- 14.7. **Maritime transport in bulk according to IMO instruments:**
Not applicable.

SECTION 15: REGULATORY INFORMATION

- 15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21
REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
REGULATION (EU) 2016/425 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC
REGULATION 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste
DIRECTIVE 94/62/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 20 December 1994 on packaging and packaging waste
REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents
Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII, REACH): Not applicable.
- 15.2. **Chemical safety assessment:**
Not available.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet: Safety data sheet replaces previous version 03-2021. Revisions have been made in sections 2, 3 and 6 - 16.

Literature references / data sources:

Safety data sheet issued by the manufacturer (20. 12. 2022, English version).

Methods used for the classification according to Regulation (EC) No 1272/2008:

Classification was based on data on the content of hazardous substances and established with calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

Relevant hazard statements (code and full text) of Sections 2 and 3:

- H301** – Toxic if swallowed.
H310 – Fatal 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.

H319 – Causes serious eye irritation.

H330 – Fatal if inhaled.

H400 – Very toxic to aquatic life.

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

EUH 208 – Contains 5-chloro-2-methyl-2*H*-isothiazol-3-one and 2-methyl-2*H*-isothiazol-3-one (3:1). May produce an allergic reaction.

EUH071 - Corrosive to the respiratory tract.

Training advice:

Before commencing working with the product, the user should learn the Health and Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

Full text of the abbreviations in the safety data sheet:

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate.

AOX: Adsorbable organic halides.

BCF: Bioconcentration factor.

BOD: Biological Oxygen Demand.

CAS number: Chemical Abstract Service number.

CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

CMR effects: Carcinogenic, mutagenic, reprotoxic effects.

COD: Chemical Oxygen Demand.

CSA: Chemical Safety Assessment.

CSR: Chemical Safety Report.

DNEL: Derived-No-Effect-Level.

ECHA: European Chemical Agency.

EC: European Community.

EC number: EINECS and ELINCS numbers (see also EINECS and ELINCS).

EEC: European Economic Community.

EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).

EINECS: European Inventory of Existing Commercial Chemical Substances.

ELINCS: European List of Notified Chemical Substances.

EN: European Norm.

EU: European Union.

EWC: European Waste Catalogue (replaced by LoW – see below).

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.

IMDG: International Maritime Dangerous Goods.

IMO: International Maritime Organization.

IMSBC: International Maritime Solid Bulk Cargoes.

IUCLID: International Uniform Chemical Information Database.

IUPAC: International Union of Pure and Applied Chemistry.

Kow: n-Octanol - Water Partition Coefficient.

LC50: Lethal concentration resulting in 50 % mortality.

LD50: Lethal dose resulting in 50 % mortality (median lethal dose).

LoW: List of Waste.

LOEC: Lowest Observed Effect Concentration.

LOEL: Lowest Observed Effect Level.

NOEC: No Observed Effect Concentration.

NOEL: No Observed Effect Level.

NOAEC: No Observed Adverse Effect Concentration.

NOAEL: No Observed Adverse Effect Level.

OECD: Organization for Economic Cooperation and Development.

OSHA: Occupational Safety and Health Administration.

PBT: Persistent, Bioaccumulative and Toxic.

PNEC: Predicted No Effect Concentration.

QSAR: Quantitative Structure Activity Relationship.

MR721 – MediaRange Screen cleaning liquid with microfiber cloth, 250 ml
MediaRange GmbH, Zum Quellenpark 29, 65812 Bad Soden a.Ts., Germany, www.mediarange.de

REACH: Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.
SCBA: Self Contained Breathing Apparatus.
SDS: Safety Data Sheet.
STOT: Specific Target Organ Toxicity.
SVHC: Substances of Very High Concern.
UN: United Nations.
UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials.
VOC: Volatile Organic Compound.
vPvB: very Persistent and very Bioaccumulative.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.

The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product.

It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.