

SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision Date 6 February 2019

Version 1.02

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product code: 5280094
Product name: MIN-R Screen Cleaner Wipes
Pure substance/mixture Mixture

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

Identified uses: Phosphor screen cleaner. Restricted to professional users.
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier Carestream Health UK Ltd., 1 Park Lane, Hemel Hempstead, Hertfordshire, HP2 4YG

For further information, please contact:

Product Information +44 (0)870 6000245
For environment, health and safety information, email: WW-EHS@carestreamhealth.com

1.4. Emergency telephone number

Emergency Telephone CHEMTREC International 1-703-527-3887
CHEMTREC UK +(44)-870-8200418

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

2.2. Label elements

Hazard Statements

EUH208 - Contains 5-chloro-2-methyl-4-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

Precautionary Statements - EU (§28, 1272/2008)

None

2.3. Other hazards

None known.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

The product contains no substances which at their given concentration, are considered to be hazardous to health

Chemical Name	EC-No	CAS-No	Weight percent	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number	SVHC candidates
Water	Present	7732-18-5	95-100	No hazards have been classified	no data available	
Surfactant	Not Listed	-	<0.1	STOT RE (Cat 2)	no data available	
5-Chloro-2-methyl-3-isothiazolone	Present	26172-55-4	<0.0025	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available	
2-Methyl-2H-isothiazol-3-one	Present	2682-20-4	<0.0025	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	no data available	

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES**4.1. Description of first aid measures**

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Clean mouth with water and drink afterwards plenty of water.
Inhalation	Remove to fresh air.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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Section 5: FIRE FIGHTING MEASURES**5.1. Extinguishing media**

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product is not flammable.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

Hazardous Combustion Products Hazardous decomposition products due to incomplete combustion.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment as required.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent entry into waterways, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Dyke to collect large liquid spills.

Methods for cleaning up Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Clean contaminated surface thoroughly.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing

and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

Materials to Avoid Water-reactive materials.

7.3. Specific end use(s)

Specific use(s) Photographic chemical.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
5-Chloro-2-methyl-3-isothiazolone 26172-55-4	skin notation (listed under 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one mixture in ratio 3:1) TWA 0.05 mg/m ³ Skin sensitizer	SS-C** S+ TWA 0.2 mg/m ³ STEL 0.4 mg/m ³	-	-	-
2-Methyl-2H-isothiazol-3-one 2682-20-4	skin notation (listed under 5-Chloro-2-methyl-2,3-dihydroisothiazol-3-one and 2-methyl-2,3-dihydroisothiazol-3-one mixture in ratio 3:1) TWA 0.05 mg/m ³ Skin sensitizer	SS-C** S+ TWA 0.2 mg/m ³ STEL 0.4 mg/m ³	-	-	-

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment These recommendations apply to the product as supplied

Eye/face protection No special protective equipment required.

Skin and body protection	No special protective equipment required.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Do not allow material to contaminate ground water system.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1

Physical state	Cotton wipes saturated with solution
Appearance	No information available
Colour	Clear
Odour	Odourless.
Odour Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ • Method</u>
pH	8.2	
Melting point/range:	no data available	no data available
Boiling point/boiling range	> 100 °C	
Flash Point	no data available	Does not flash
Evaporation rate	no data available	No information available
Flammability (solid, gas)	no data available	No information available
Flammability Limits in Air		No information available
Upper flammability limit	no data available	
Lower flammability limit	no data available	
Vapour pressure	24 mbar @ 20 °C	
Vapour density	0.6	
Specific Gravity	1.00	No information available
Water Solubility	completely soluble	
Solubility in other solvents	no data available	No information available
Partition coefficient: n-octanol/water	no data available	No information available
Autoignition temperature	no data available	No information available
Decomposition temperature	no data available	No information available
Viscosity, kinematic	no data available	
Viscosity, dynamic	no data available	
Explosive properties	no data available	
Oxidizing properties	no data available	

9.2

Softening point	no data available
Molecular Weight	no data available
Density	no data available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Stable under normal conditions.

Explosion Data

Sensitivity to Mechanical Impact	None
Sensitivity to Static Discharge	None

10.3. Possibility of hazardous reactions

None under normal processing

Hazardous polymerisation does not occur

10.4. Conditions to avoid

Heat, flames and sparks. Do not freeze.

10.5

Water-reactive materials.

10.6

None under normal use

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Information on likely routes of exposure

Inhalation	May cause irritation of respiratory tract.
Eye contact	May cause slight irritation.
Skin contact	Substance may cause slight skin irritation.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Information on toxicological effects

Symptoms No information available.

Numerical measures of toxicity

Acute toxicity

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water	90,000 mg/kg (Rat)		
Surfactant	550 mg/kg (rat)	>5,000 mg/kg (rat)	>5.9 mg/l (male, rat, 4H)
5-Chloro-2-methyl-3-isothiazolo ne	481 mg/kg (Rat) Oral LD50 Rat 481 mg/kg (Source: IUCLID)		1.23 mg/L (Rat) 4 h Inhalation LC50 Rat 1.23 mg/L 4 h (Source: NLM_CIP)
2-Methyl-2H -isothiazol-3-one	120 mg/kg (Rat) 232 - 249 mg/kg (Rat) Oral LD50 Rat 232 - 249 mg/kg (50% MIT in water; males, Source: EU_CLH); Oral LD50 Rat 120 mg/kg (50% MIT in water; females, Source: EU_CLH)	200 mg/kg (Rabbit) Dermal LD50 Rabbit 200 mg/kg (Source: HSDB)	0.11 mg/L (Rat) 4 h Inhalation LC50 Rat 0.11 mg/L 4 h (aerosol, Source: EU_CLH)

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

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitisation	No information available.
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.
Subchronic toxicity	No known effects under normal use conditions.
Aspiration hazard	Based on available data, the classification criteria are not met.

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity

Unknown aquatic toxicity 0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Surfactant	88.3 mg/l (Pseudokirchneriella subcapita (green algae)	88.3 mg/l (Pseudokirchneriella subcapita (green algae)		-
5-Chloro-2-methyl-3-isothiazolone	0.11 - 0.16: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.03 - 0.13: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 0.31: 120 h Anabaena flos-aquae mg/L EC50	1.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static		4.71: 48 h Daphnia magna mg/L EC50 0.12 - 0.3: 48 h Daphnia magna mg/L EC50 Flow through 0.71 - 0.99: 48 h Daphnia magna mg/L EC50 Static

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

Bioaccumulation: .

Bioconcentration factor (BCF)

Chemical Name	log Pow
5-Chloro-2-methyl-3-isothiazolone	-0.71 - 0.75

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

This information is provided to assist users in the correct disposal of working solutions prepared and used to Carestream Health specifications.

Waste from residues / unused products	Dispose of in accordance with local regulations.
Empty containers	If thoroughly cleaned, preferably by rinsing at least three times with small quantities of water, waste product packaging may be consigned for recovery or disposal as non hazardous waste. Whenever possible, minimize waste by using the rinsing water to make up the working solution. The European Waste Catalogue Code is 15 01 02 plastic packaging.
Contaminated packaging	Waste product packaging contaminated by residues of hazardous contents should be consigned for disposal as hazardous waste. In this case, the European Waste Catalogue Code is 15 01 10 packaging containing residues of or contaminated by dangerous substances.

Section 14: TRANSPORT INFORMATION

The information given below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may have a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions. Please consult the product packaging for further details.

IMDG/IMO

14.1. UN/ID no	Not regulated
14.2. Proper Shipping Name	Not regulated
14.3. Hazard class	Not regulated
14.4. Packing Group	Not regulated
14.5. Marine pollutant	None
14.6. Special Provisions	None

ADR/RID

14.1. UN/ID no	Not regulated
14.2. Proper Shipping Name	Not regulated
14.3. Hazard class	Not regulated
14.4. Packing Group	Not regulated
14.5. Environmental hazard	Not applicable
14.6. Special Provisions	None
Classification Code	None
Tunnel restriction code	(E)

ICAO/IATA

	Not regulated
14.1. UN/ID no	Not regulated
14.2. Proper Shipping Name	None
14.3. Hazard class	Not regulated
14.4. Packing Group	Not regulated
14.5. Environmental hazard	Not applicable
14.6. Special Provisions	None

H317 - May cause an allergic skin reaction
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

SVHC: Substances of Very High Concern for Authorization:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA:	Time weighted average	STEL:	Short term exposure limit
Ceiling:	Maximum limit value:	*	Skin designation

Issuing Date	7 April 2014
Revision Date	6 February 2019

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text