

SAFETY DATA SHEET

Revision Date 12/17/2018

Revision Number 2.03

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name: MIN-R Screen Cleaner Wipes

Product Code(s) 5280094

Supplier Carestream Health, Inc., 150 Verona Street, Rochester, NY, USA 14608

For Emergency Health Information call: 800-424-9300

For other information contact: 800-328-2910

Recommended Use Phosphor screen cleaner. Restricted to professional users.

2. HAZARDS IDENTIFICATION

Classification

This material is not considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200.

Label elements

Emergency Overview

Appearance No information available	Physical state Cotton wipes saturated with solution	Odor Odorless
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Hazards not otherwise classified (HNOC)

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

Other hazards which do not result in classification

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%	Trade Secret
Water 7732-18-5	7732-18-5	95-100	*
Surfactant	Proprietary	<0.1	*
5-Chloro-2-methyl-3-isothiazolone 26172-55-4	26172-55-4	<0.0025	*
2-Methyl-2H -isothiazol-3-one	2682-20-4	<0.0025	*

2682-20-4

*The exact percentages (concentrations) have been withheld as trade secrets.

4. FIRST AID MEASURES

First Aid Measures

General advice	Immediate medical attention is not required. If symptoms persist, call a physician.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention immediately if symptoms occur.
Skin contact	Wash off with warm water and soap. Get medical attention immediately if symptoms occur.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Get medical attention immediately if symptoms occur.

Most important symptoms and effects, both acute and delayed

Main Symptoms None known.

Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

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

Specific hazards arising from the chemical

No information available.

Hazardous combustion products

Hazardous decomposition products due to incomplete combustion.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions None required for material as supplied.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so. Dike 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.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling None required for material as supplied.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep in properly labeled containers.

Incompatible products Water-reactive materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product does contain hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Measures None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/Face Protection	Safety glasses with top and side-shields.
Skin and body protection	Long sleeved clothing.
Respiratory protection	None required under normal usage. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Cotton wipes saturated with solution	Odor	Odorless
Appearance	No information available	Odor threshold	No information available
Color	Clear		
Property	Values	Remarks • Method	
pH	8.2	No information available	
Melting point / freezing point		No information available	
Boiling point / boiling range	> 100 °C / 212 °F	Does not flash.	
Flash point		No information available	
Evaporation rate			
Flammability (solid, gas)	no data available		
Upper flammability limit:	Unknown		
Lower flammability limit:	Not flammable		
Vapor pressure	24 mbar @ 20 °C		
Vapor density	0.6		

Specific Gravity	1.00	No information available
Water solubility	completely soluble	
Solubility(ies)		No information available.
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Oxidizing Properties	No information available	
Explosive properties	No information available	

Other information

Softening point		No information available
Molecular weight		No information available
Liquid Density		No information available
Bulk density		No information available

10. STABILITY AND REACTIVITY

Reactivity

None under normal use conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

None known.

Incompatible Materials

Water-reactive materials.

Hazardous decomposition products

None under normal use.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

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 diarrhea.

Toxicology data for the components

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	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-isothiazolone 26172-55-4	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 2682-20-4	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)

Component Information

Information on toxicological effects

Symptoms None known.

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

Sensitization No information available.
Mutagenic effects No information available.
Carcinogenicity There are no known carcinogenic chemicals in this product.
Reproductive toxicity No information available.
STOT - single exposure No information available
STOT - repeated exposure No information available
Subchronic toxicity No known effects under normal use conditions.
Target Organ Effects No known effects under normal use conditions.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

ATEmix (oral) >5000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

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 26172-55-4	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

Persistence and degradability No information available

Bioaccumulation:

Chemical name	log Pow

5-Chloro-2-methyl-3-isothiazolone 26172-55-4	-0.71 - 0.75
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Mobility in soil No information available

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods Dispose of in accordance with local regulations.

Contaminated packaging Do not re-use empty containers. Dispose of in accordance with local regulations.

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 carry 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.

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG Not regulated

For transportation information, go to: <http://ship.carestream.com>

15. REGULATORY INFORMATION

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply
NZIoC	Does not comply

Legend

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

"Does not comply" indicates a component is either not on the public inventory or is subject to exemption requirements. If additional information is needed contact Carestream Health.

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

TSCA

This material contains a chemical which is regulated under TSCA Section 4, Section 5(a), Section 8(a) or Section 8(d).

Component	U.S. - TSCA (Toxic Substances Control Act) - Section 4 - Chemical Test Rules (40 CFR 799)	U.S. - TSCA (Toxic Substances Control Act) - Section 5(a)(2) - Chemicals with Significant New Use Rules (SNURs)
5-Chloro-2-methyl-3-isothiazolone 26172-55-4 (<0.0025)		62 FR 34421, Jun 26, 1997
2-Methyl-2H -isothiazol-3-one 2682-20-4 (<0.0025)		62 FR 34421, Jun 26, 1997

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

International Regulations**Mexico - Grade**

Minimum risk, Grade 0

16. OTHER INFORMATION

NFPA

Health Hazard 0

Flammability 0

Instability 0

HMIS

Health Hazard 0

Flammability 0

Physical Hazard 0

Issuing Date

04/07/2014

Revision Date

12/17/2018

Revision Note

(M)SDS sections updated

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.

End of Safety Data Sheet