

SCREENCLEAN KIT PRO - 584500 (098400)



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

1.1. Product identifier

Product name : SCREENCLEAN KIT PRO
Product code : 584500 (098400).

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

Ideal for cleaning all LCD/TFT/LED/Plasma surfaces. Only use the product as directed.

1.3. Details of the supplier of the safety data sheet

Registered company name : Durable Hunke & Jochheim GmbH&Co. KG (Head office).
Address : Westfalenstrasse 77-79.58636.Iserlohn.Germany.
Telephone : +49 (0) 2371/662-0. Fax : +49 (0) 2371/662-221.
durable-clean@durable.de
<http://www.durable.de>

1.4. Emergency telephone number : +49 (0) 2371/662-0.

Association/Organisation : <http://www.durable.de>.

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

May produce an allergic reaction (EUH208).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present a health hazard with the exception of possible occupational exposure thresholds (see paragraphs 3 and 8).

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

Detergent mixture (see section 15).

Mixture for spray application.

In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :

EUH208 Contains METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE. May produce an allergic reaction.

Precautionary statements - General :

P102 Keep out of reach of children.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) \geq 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture satisfies neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

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SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
CAS: 55965-84-9 METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1, H317 Acute Tox. 3, H331 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0 <= x % < 1

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of exposure by inhalation :

In the event of an allergic reaction, seek medical attention.

In the event of splashes or contact with eyes :

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

In the event of splashes or contact with skin :

In the event of an allergic reaction, seek medical attention.

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

In the event of swallowing :

Seek medical attention, showing the label.

Rinse mouth thoroughly. Do not induce vomiting.

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

See section 11.

4.3. Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label if possible). If symptoms persist, always call a doctor.

SECTION 5 : FIREFIGHTING MEASURES

5.1. Extinguishing media

This product is not flammable. Use extinguishing media appropriate to the surrounding fire conditions.

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

5.3. Advice for firefighters

If possible, stop the product stream. Keep public on a distance.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

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6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

Storage in a dry, frost-free and well ventilated place.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

Do not spray in the direction of the eyes.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Not necessary at efficient use. Wash your hands after contact with skin.

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

Not necessary at efficient use. Wash skin that has been in contact with the product, with water and soap.

Exposure controls linked to environmental protection

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :	Fluid liquid.
Color :	Colourless, clear
Odour :	None

Important health, safety and environmental information

pH :	7.00 . Neutral.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	1.000
Water solubility :	Soluble.
Viscosity:	$\nu < 7 \text{ mm}^2/\text{s}$ (40°C)
Flash point :	Not applicable
Flammability :	Not applicable

9.2. Other information

VOC (g/l) :	0.00
Water content :	Water-based formulation

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Avoid :

- frost

Storage in a dry, frost free and well ventilated area.

10.5. Incompatible materials

No materials known by which a dangerous reaction can occur.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO₂)

The product is stable. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

11.1.1. Substances

Acute toxicity :

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)

Oral route : LD50 = 457 mg/kg
Species : Rat

Dermal route : LD50 = 660 mg/kg
Species : Rabbit

Inhalation route (Dusts/mist) : LC50 = 2.36 mg/l
Species : Rat

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Skin corrosion/skin irritation :

Methylchloroisothiazolinone, methylisothiazolinone : Corrosive.

Serious damage to eyes/eye irritation :

Methylchloroisothiazolinone, methylisothiazolinone : Corrosive.

Respiratory or skin sensitisation :

Methylchloroisothiazolinone, methylisothiazolinone : Sensitizing.

Germ cell mutagenicity :

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)
No mutagenic effect.

Carcinogenicity :

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)
Carcinogenicity Test : Negative.
No carcinogenic effect.

Reproductive toxicant :

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)
No toxic effect for reproduction

Specific target organ systemic toxicity - single exposure :

Methylchloroisothiazolinone, methylisothiazolinone : No data available.

Specific target organ systemic toxicity - repeated exposure :

Methylchloroisothiazolinone, methylisothiazolinone : No data available.

Aspiration hazard :

Methylchloroisothiazolinone, methylisothiazolinone : No data available.

11.1.2. Mixture

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)

Fish toxicity :	LC50 = 0.19 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h
Crustacean toxicity :	EC50 = 0.16 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	ECr50 = 0.027 mg/l Species : Scenedesmus capricornutum Duration of exposure : 72 h

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)

Chemical oxygen demand :	DCO = 159 mg/l
Biodegradability :	Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

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METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)
Octanol/water partition coefficient : log K_{ow} = 0.401

12.4. Mobility in soil

Methylchloroisothiazolinone, methylisothiazolinone : No data available.

12.5. Results of PBT and vPvB assessment

Methylchloroisothiazolinone, methylisothiazolinone : PBT/vPvB : No.

12.6. Other adverse effects

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2014).

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.

- Container information:

No data available.

- Particular provisions :

No data available.

- Labelling for detergents (EC Regulation No. 648/2004,907/2006) :

- preservation agents

methylchloroisothiazolinone, methylisothiazolinone

15.2. Chemical safety assessment

The product does not contain substances for which a chemical safety assessment has been performed.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.

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H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations :

ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefährdungsklasse (Water Hazard Class).

Difference Report

Revision: N°3 (05/08/2014) / Version: N°2 (28/01/2016)

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

Revision: N°2 (11/07/2014) / Version: N°2 (06/08/2014)

SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 453/2010)

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

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

~~Ideal for cleaning all LCD/TFT/LED/Plasma surfaces. Only use the product as directed on the aerosol.~~

Ideal for cleaning all LCD/TFT/LED/Plasma surfaces. Only use the product as directed.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Composition :

Identification	(EC) 1272/2008	67/548/EEC	Note	%
INDEX: 613-167-00-5 CAS: 55965-84-9 METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H331 Acute Tox. 3, H311 Acute Tox. 3, H301 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	T;N T;R23/24/25 C;R34 Xi;R43 N;R50/53		0 <= x % < 1
Identification CAS: 55965-84-9 METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE	(EC) 1272/2008 GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1, H317 Acute Tox. 3, H331 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		Note	% 0 <= x % < 1

SECTION 10 : STABILITY AND REACTIVITY

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.5. Incompatible materials

No materials known by which a dangerous reaction can occur.

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10.6. Hazardous decomposition products

The product is stable. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1.1. Substances

No toxicological data available for the substances.

Acute toxicity :

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)

Oral route : LD50 = 457 mg/kg
Species : Rat

Dermal route : LD50 = 660 mg/kg
Species : Rabbit

Inhalation route (Dusts/mist) : LC50 = 2.36 mg/l
Species : Rat

Skin corrosion/skin irritation :

Methylchloroisothiazolinone, methylisothiazolinone : Corrosive.

Serious damage to eyes/eye irritation :

Methylchloroisothiazolinone, methylisothiazolinone : Corrosive.

Respiratory or skin sensitisation :

Methylchloroisothiazolinone, methylisothiazolinone : Sensitizing.

Germ cell mutagenicity :

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)

No mutagenic effect.

Carcinogenicity :

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)

Carcinogenicity Test : Negative.
No carcinogenic effect.

Reproductive toxicant :

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)

No toxic effect for reproduction

Specific target organ systemic toxicity - single exposure :

Methylchloroisothiazolinone, methylisothiazolinone : No data available.

Specific target organ systemic toxicity - repeated exposure :

Methylchloroisothiazolinone, methylisothiazolinone : No data available.

Aspiration hazard :

Methylchloroisothiazolinone, methylisothiazolinone : No data available.

SECTION 12 : ECOLOGICAL INFORMATION

12.1.1. Substances

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)

Fish toxicity : LC50 = 0.19 mg/l
Species : Oncorhynchus mykiss
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 0.16 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

Algae toxicity : ECr50 = 0.027 mg/l
Species : Scenedesmus capricornutum

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Duration of exposure : 72 h

12.2.1. Substances

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)

Chemical oxygen demand : DCO = 159 mg/l

Biodegradability : Rapidly degradable.

12.3.1. Substances

METHYLCHLOROISOTHIAZOLINONE, METHYLISOTHIAZOLINONE (CAS: 55965-84-9)

Octanol/water partition coefficient : log K_{ow} = 0.401

12.4. Mobility in soil

Methylchloroisothiazolinone, methylisothiazolinone : No data available.

12.5. Results of PBT and vPvB assessment

Methylchloroisothiazolinone, methylisothiazolinone : PBT/vPvB : No.

SECTION 15 : REGULATORY INFORMATION

15.2. Chemical safety assessment

The product does not contain substances for which a chemical safety assessment has been performed.

SECTION 16 : OTHER INFORMATION

Wording of the phrases mentioned in section 3 :

R 23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R 34	Causes burns.
R 43	May cause sensitisation by skin contact.
R 50/53	Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.