

Product
INSTANT I-SOFT® DW
INSTANT DOSING TECHNOLOGY

Version: 1.0
 Printing Date: 22.04.2013

Watch® encourages and expects you to read and understand the entire MSDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1 | CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: INSTANT I-SOFT® DW

Application: Drinking Water Treatment

Sub components	Function
I-SOFT® DW	Scale & Corrosion Inhibitor

Company Identification/Supplier
 Watch GmbH
 Fahrlachstr. 14
 D-68165 Mannheim
 Germany
 Phone: + 49 62187951-0
 Fax: + 49 62187951-99

Emergency information (8:00- 16:45) Phone: +49 621 87951-50

2 | HAZARDS IDENTIFICATION

Classification of the substance or mixture

- **Classification according to Regulation (EC) No. 1272/2008**
 This product does not require labeling or classification according to 2008/1272/EC.
- **Classification according to Directives 67/548/EEC and 1999/45/EC**
 This product does not require labeling or classification according to Directive 67/548/EEC or 1999/45/EC.

Labeling:

- **Labeling according to Regulation (EC) No 1272/2008**
 This product does not require labeling according to 2008/1272/EC.
- **Labeling according to Directive 67/548/EEC or 1999/45/EC**
 This product does not require labeling according to 67/548/EEC or 1999/45/EC

Other hazards

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 | COMPOSITION / INFORMATION ON INGREDIENTS

- Chemical characterization: solid mixture

Component, name	CAS-Nr.	EINECS/ELINCS	Classification	R-Phrase/Hazard	Conc. w/w
proprietary	proprietary	proprietary	none	none	>99%

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non hazardous and/or present at amounts below reportable limits.

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4 FIRST-AID MEASURES**General Information:**

Take off contaminated clothes. Wash immediately with plenty of water. Continue rinsing for at least 10 minutes. If any symptom persists, seek medical attention.

- **Eye contact:** Rinse immediately with plenty of running water. Continue for at least 15 minutes. Seek medical advice.
- **Skin contact:** Remove contaminated clothing. Wash immediately with plenty of water. Continue for at least 15 minutes. Obtain medical advice if there are persistent symptoms..
- **Inhalation:** Remove patient to fresh air, allow to rest and keep warm. In case of unconsciousness place patient stably in side position for transportation. Obtain medical advice.
- **Ingestion:** First rinse mouth with water. Immediately give 1-2 glasses of water, if victim is fully conscious. Seek medical attention.

Note to physician:

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5 FIRE FIGHTING MEASURES

- **Extinguishing media:** Non-combustible
- **Unsuitable extinguishing media:** N/A
- **Exposure hazards:** N/A

6 ACCIDENTAL RELEASE MEASURES

- **Personal precautions:** Wear eye protection and protective clothing.
- **Environmental precautions:** Keep out of drains and water courses.
- **Methods for cleaning up:** Vacuum or sweep up material and placed in a designated waste container. Avoid dust formation.
- **Disposal method:** The material be disposed in accordance with applicable local, state and federal regulations.

7 HANDLING AND STORAGE

- **Handling:** Normal chemical handling. Dust mask should be used when large quantities are used in the absence of good local exhaust ventilation. Avoid the formation and deposition of dust. Take precautionary measures to avoid static charges. Wash hands after handling.
- **Storage:** Protect from sun. Store in a dry, cool place. Keep container sealed and dry.

8 EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limit: no specific value; the national exposure limit for dust should be observed.

- **EYE PROTECTION:** This product does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.
- **SKIN PROTECTION:** Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.
- **RESPIRATORY PROTECTION:** Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 C.F.R. 1910.134.

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- **VENTILATION:** Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.
- **AIRBORNE EXPOSURE LIMITS:** OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for particulates not otherwise classified (PNOC) which are the least stringent exposure limits applicable to dusts.

OSHA PEL ACGIH TLV

15 mg/m³ (total dust) 8-hr TWA 10 mg/m³ (inhalable) 8-hr TWA
 5 mg/m³ (respirable) 8-hr TWA 3 mg/m³ (respirable) 8-hr TWA

9 PHYSICAL AND CHEMICAL PROPERTIES

General Information:

Physical State	solid, granulate
Appearance	white
Odor	weak, product specific

Melting Point point:	> 622 °C
Bulk density:	ca. 2400 kg/m ³
Solubility in water at 25°C:	>16 g/l

10 STABILITY AND REACTIVITY

- **Thermal decomposition/conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to avoid:** N/A
- **Conditions to avoid:** Dust formation
- **Hazardous decomposition products:** will not occur

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Oral - rat LD50 - 5400 mg/kg; practically non-toxic
Dermal - rabbit LD50 - > 7940 mg/kg; practically non-toxic
Eye Irritation - rabbit - 3.3/110.0; slightly irritating
Skin Irritation - rabbit - 0-0/8.0 (24-hr exp.); not irritating
Inhalation - LC50 > 0.39 mg/L (rat, 4 hr) (maximum attainable concentration)

12 ECOLOGICAL INFORMATION

Toxicity

Invertebrate: 48-hr EC50 Daphnia magna: > 1000 mg/L; Practically Nontoxic

96 hr. LC 50 > 100 mg/L, non-toxic (Rainbow trout, Inland silversides and mysid schrimp). [FMC I89-1081, 1082 & 1083]

48 hr. EC50 > 100 mg/L, non-toxic (Daphnia magna) [FMC I89-1084]

- **Results of PBT and vPvB assessment**
PBT: Not applicable.
vPvB: Not applicable.

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13 | DISPOSAL CONSIDERATIONS

- **Recommendation:** must not be disposed together with household solid waste. Do not allow product to reach sewage system.
- **Recommendation:** Disposal must be made according to official regulations.

14 | TRANSPORT INFORMATION

- **Land Transport (ADR/RID/ADN):** Not classified as dangerous good under transport regulations
- **Sea Transport (IMDG/IMO):** Not classified as dangerous good under transport regulations
- **Air Transport (IATA/ICAO):** Not classified as dangerous good under transport regulations

15 | REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture
Labeling according to Regulation (EC) No 1272/2008

The substance does not require classification or labeling under the CLP regulation.

National regulations:

Water hazard class (Germany): Water hazard class 1 (Anex 2 VwVwS): slightly hazardous for water.

16 | OTHER INFORMATION

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.
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