



# IMCHLO Stab-15

## Technical data sheet

### Halogen Stabilizer for Industrial Water Treatment Applications

IMCHLO Stab-15 is a non-biocidal, halogen-stabilizing solution designed to optimize the performance of active chlorine sources, such as hypochlorite, in high chlorine demand industrial process water systems.

IMCHLO Stab-15, when applied in conjunction with hypochlorite, minimizes hypochlorite degradation and loss from undesirable side reactions with scale and corrosion inhibitors and other high cost, sensitive process additives. Used as directed, IMCHLO Stab-15 optimizes hypochlorite reactivity and microbiological control efficacy.

#### **Benefits**

- Provides excellent cost-performance
- Optimizes hypochlorite activity and efficacy
- Minimizes performance additive interactions
- Reduces mild steel and copper corrosion rates
- Improves ease of use
- Reduces blowdown AOX levels

#### **Active Ingredients:**

|                              |              |
|------------------------------|--------------|
| 5, 5-dimethylhydantoin ..... | 15.0%        |
| Inert Ingredients .....      | <u>85.0%</u> |
| .....                        | 100.0%       |

#### **Typical Physical Properties:**

|                                   |                           |
|-----------------------------------|---------------------------|
| Form .....                        | Aqueous Solution          |
| Color .....                       | Clear, Water White Liquid |
| Activity.....                     | 14.0% – 16.0%             |
| Density (g/cm <sup>3</sup> )..... | 1.05                      |
| pH .....                          | 9.0 – 10.0                |
| Flash Point .....                 | >99°C                     |
| Crystallization Point.....        | <4°C                      |
| Viscosity.....                    | 2.5 cps @ 22°C            |



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improving chlorine  
biocontrol performance.

### **Typical Solution Properties:**

Solubility in Water .....Fully Soluble  
Total Insolubles, %.....Nil  
Physical Stability in Water.....Stable  
Odor in Solution .....Faint  
Shelf life.....4 years\*

\*Note: IMCHLO Stab- 15 should be stored in the sealed original packaging in a cool, well ventilated place. Avoid contact with strong acids and alkalis.

### **Material Compatibility**

When handling neat solutions of IMCHLO Stab-15, the following materials are recommended: Acetal, CPVC, Hytel<sup>®</sup>, LDPE, epoxy, FRP, Noryl<sup>®</sup>, nylon, polycarbonate, polypropylene, PPS, PTFE, PVC, PVDF, Buna N, PCTFE, Santoprene<sup>®</sup>, silicone, Tygon<sup>®</sup>, Viton<sup>®</sup>, 304SS, 316 SS, brass, bronze, copper.

When IMCHLO Stab-15 is in-line blended with hypochlorite, only PTFE (Teflon<sup>®</sup>) or Kynar<sup>®</sup> (PVDF) components should be used prior to dilution in the bulk Industrial Cooling Water system water.

Make sure that after mixing there is a contact time of at least 15 seconds but not longer than 20 minutes.

### **Storage and Handling Precautions**

See MSDS for detailed information.

IMCHLO Stab-15 is stable provided it is stored in a cool, dry area. Avoid mixing with strong acids and strong alkalis.

### **Packaging**

IMCHLO Stab-15 in 980 kg net weight totes. Bulk material is available.

### **Labeling for Sale**

Customers may make arrangements to have their label applied at IMCHLO's manufacturing site on standard package sizes.

IMCHLO Stab-15 is non-hazardous by ADR regulations.



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## **Regulatory Approvals**

- **German BfR**

XXXVI. Paper and board for food contact.

B. Production aids

VII. Slimicides: b) Antimicrobial agents

30. Sodium hypochlorite, max. 0.028 % based on the dry fibers weight (according to Footnote 23<sup>†</sup>).

<sup>†</sup> Footnote 23: For the stabilisation of sodium hypochlorite 0.05 % (based on the dry fibers weight) 5,5-Dimethyl hydantoin, also in the form of the sodium salt, may be used.)

- **Finland (SYKE)**

- Registration not required

- **ISEGA**

- Registration not required. Approved under BfR Recommendation XXXVI for use in paper and board for food contact for halogenated hydantoins

- **Netherlands (ctgb)**

- Registration not required

- **DMH REACH** Registration Number: 01-2119432911-44-0000

- **Sweden (KEMI)**

- Registration not required

For questions or further information, please e-mail [info@imchlo.be](mailto:info@imchlo.be)