

SAFETY DATA SHEET

INLET VALVE SOLUTION

Version:1

First edition date:20/02/2018

RE EC/830/2015 - CLP 1272/200

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

1. 1. Product identifier: INLET VALVE SOLUTION
1. 1. 1. Contains: • mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2-isothiazol-3-one [EC no. 220-239-6] (3:1) mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)
1. 1. 2. EC number: Not applicable.
1. 2. Relevant identified uses of the substance or mixture and uses advised against: For more information, to consult the chart.
1. 3. Details of the supplier of the safety data sheet: SELD
6 rue Jules Guesde – ZI du Pontet
F-69360 Saint Symphorien d'Ozon
France
Phone: +33 (0)4 37 25 16 16
Fax: +33 (0)4 78 21 80 70
E-mail: contact@mecatech-performances.com
1. 4. Emergency telephone number: UK - National Poisons Information Service Phone: 44 / 191 22 5131
1. 5. Product code nr: MT403

2. HAZARDS IDENTIFICATION

2. 1. Classification of the substance or mixture: * Skin Irrit. 2 / GHS07 - H315 *
* Skin Sens. 1 / GHS07 - H317 *
* Irr. oc. 2A / GHS07 - H319 *
* Aquatic. Chronic 2 / GHS09 - H411 *

2. 2. Label elements:



Warning

2. 2. 1. Symbol(s) and signal word: .

2. 2. 2. Hazard statement:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

2. 2. 3. Prevention:

P264 Wash Hands thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.

2. 2. 4. Response:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P321a Specific treatment (see item nr 4.3.).
P332+P313 If skin irritation occurs: Get medical advice / attention.
P362 Take off contaminated clothing.
P364 And wash it before reuse.
P305 IF IN EYES:
P351 Rinse cautiously with water for several minutes.
P338 Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice / attention.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
P391 Collect spillage.

2. 2. 5. Disposal:

P501a Dispose of contents / container in accordance with local / regional / national / international regulation

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2. 3. Further information(s):

EUH 066 - Repeated exposure may cause skin dryness or cracking.

EUH208 Contains • mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2-Isothiazol-3-one [EC no. 220-239-6] (3:1) mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

2. 4. Other hazards:

none

3. COMPOSITION / INFORMATION ON INGREDIENTS

3. 1. Component(s) contributing to the hazard:

- éthanol; alcool éthylique
 - CE nr: 200-578-6 - CAS nr: .64-17-5
 - REACH registration number : 01-2119457610-43-xxxx
 - Conc. (w eight %) : 5 < C <= 10
 - GHS (Globally Harmonized System)
 - * GHS02 - Flame - Danger - Flam. Liq. 2 - H225
 - * GHS07 - Exclamation mark - Warning - Irr. oc. 2 - H319
 - Miscellaneous :
 - LD50 / Skin contact / Rabbit = >2000 mg/kg
 - LD50 / Oral / Rat = > 2000 mg/kg
 - LC50 / 48h / Fish = >100 mg/l
 - LC50 / Inhalation (vapours) / 4h / Rat = >20 mg/l
 - CE50 / / Algae = 5000 mg/l
 - CE50 / / Bacteria = 6500 mg/l
 - CE50 / 24h / Daphnia magna = >100 mg/l
- Sel de sodium de l'acide éthylènediaminetétracétique
 - CE nr: 200-573-9 - CAS nr: .64-02-8
 - REACH registration number : 01-2119486762-27-0001 / 01-2119486762-27-0002
 - Conc. (w eight %) : 1 < C <= 5
 - GHS (Globally Harmonized System)
 - * GHS07 - Exclamation mark - Warning - Acute Tox. 4 - H302 - H332 - Skin Irrit. 2 - H315 *
GHS05 - Corrosion - Danger - Eye Dam. 1 - H318
 - Miscellaneous :
 - LD50 / Ingestion / Rat = >1.78-<2 mg/kg
 - LD50 / Dermal / Rabbit = > 5 mg/kg
 - LC50 / Inhalation (dust / mist) / 4h / Rat = 4.14 mg/l
- ammonia .
 - Id nr: 007-001-01-2 - CE nr: 215-647-6 - CAS nr: .1336-21-6
 - REACH registration number : 01-2119488876-14-xxxx
 - Conc. (w eight %) : 1 < C <= 5
 - GHS (Globally Harmonized System)
 - * GHS07 - Exclamation mark - Warning - STOT SE 3 - H335 * GHS05 - Corrosion - Danger - Skin Corr. 1B - H314
 - * GHS09 - Environment - Warning - Aquatic Acute 1 - H400
 - (STOT SE 3; H335: C >= 5%)
- Parfum lavande
 - Conc. (w eight %) : 1 < C <= 5
 - GHS (Globally Harmonized System)
 - * GHS08 - Health hazard - Danger - Asp. Tox. 1 - H304
 - * GHS09 - Environment - Warning - Aquatic. Chronic 1 - H410
- Pyrophosphate Tétrapotassique
 - CE nr: 230-785-7 - CAS nr: 7320-34-5
 - REACH registration number : 01-2119489369-18
 - Conc. (w eight %) : 0 < C <= 1
 - GHS (Globally Harmonized System)

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* GHS07 - Exclamation mark - Warning - Irr. oc. 2 - H319 - Irr. oc. 2A

- Miscellaneous :

NOEC / Marine water / Micro-organisms = >100 mg/l

NOEC / Waters fresh / Predatory, piscivorous = 100 mg/l

LD50 / Skin contact / Rabbit = >2000 mg/kg

LD50 / Oral / Rat = >2000 mg/kg

LC50 / 96h / *Oncorhynchus mykiss* = >100 mg/l

LC50 / Inhalation (vapours) / Rat = >1.1 mg/l

CE50 / 3h / Algae = >1000 mg/l

CE50 / 48h / *Daphnia magna* = >100 mg/l

CEr50 / 72h / Algae = >100 mg/l

• Alcohols, C12-14 (even numbered), ethoxylated < 2.5 EO, sulfates, sodium salts

- CE nr: 500-234-8 - CAS nr: 68891-38-3

- Conc. (w eight %) : 0 < C ≤ 1

- GHS (Globally Harmonized System)

* GHS07 - Exclamation mark - Warning - Skin Irrit. 2 - H315 * GHS05 - Corrosion - Danger - Eye Dam. 1 - H318

- Aquatic. Chronic 3 - H412

• 1-PROPANAMINIUM, 3-AMINO-N-(CARBOXYMETHYL)-N,N-DIMETHYL-,N-(C12-18(EVEN NUMBERED) ACYL) DERIVS., HYDROXIDES, INNER SALTS

- CE nr: 931-513-6

- REACH registration number : 2119513359-38

- Conc. (w eight %) : 0 < C ≤ 1

- GHS (Globally Harmonized System)

* GHS05 - Corrosion - Danger - Eye Dam. 1 - H318

- Aquatic. Chronic 3 - H412

• Sodium N-Lauroylsarcosinate

- CE nr: 205-281-5 - CAS nr: 137-16-6

- Conc. (w eight %) : 0 < C ≤ 1

- GHS (Globally Harmonized System)

* GHS05 - Corrosion - Danger - Eye Dam. 1 - H318

• NITRATE DE MAGNESIUM

- CE nr: 233-826-7 - CAS nr: 10377-60-3

- Conc. (w eight %) : 0 < C ≤ 1

- GHS (Globally Harmonized System)

* GHS03 - Flame over circle - Danger - Ox. Gas 1 - H270

• mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

- Id nr: 613-167-00-5 - CAS nr: 55965-84-9

- Conc. (w eight %) : 0 < C ≤ 1

- GHS (Globally Harmonized System)

* GHS06 - Skull and crossbones - Danger - Acute Tox. 3 - H301 - H311 - H331 * GHS07 -

Exclamation mark - Warning - Skin Sens. 1 - H317 * GHS05 - Corrosion - Skin Corr. 1B - H314

* GHS09 - Environment - Warning - Aquatic. Chronic 1 - H410

- (Skin Corr. 1B; H314: C ≥ 0,6% - Skin Irrit. 2; H315: 0,06% ≤ C < 0,6% - Eye Irrit. 2; H319: 0,06% ≤ C < 0,60% - Skin Sens. 1; H317: C ≥ 0,0015%)

The wording of the sentences are mentioned at heading 16.

4. FIRST AID MEASURES

4. 1. Description of first aid measures:

4. 1. 1. General advice:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

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4. 1. 2. Inhalation:	Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth.
4. 1. 3. Skin contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner.
4. 1. 4. Eye contact:	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
4. 1. 5. Ingestion:	Rinse mouth.
4. 2. Most important symptoms and effects, both acute and delayed:	Health injuries are not known or expected under normal use.
4. 2. 1. Inhalation:	Irritating to the respiratory system, may cause throat pain and cough.
4. 2. 2. Skin contact:	Intensive skin contact, may cause skin problems (contact dermatitis).
4. 2. 3. Eyes contact:	Splashes in the eyes may cause irritation and reversible local damage.
4. 2. 4. Ingestion:	nausea, vomiting
4. 3. Indication of any immediate medical attention and special treatment needed :	In all cases of doubt, or when symptoms persist, seek medical attention.

5. FIREFIGHTING MEASURES

- | | |
|--|---|
| 5. 1. Extinguishing media: | alcohol-resistant foam, carbon dioxide (CO ₂), powder, water spray. |
| 5. 2. Special hazards arising from the substance or mixture: | Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. |
| 5. 3. Advice for firefighters: | Use a self-contained breathing apparatus and also a protective suit. |
| 5. 4. Specific method(s): | Cool closed containers exposed to fire with water spray. |
| 5. 5. Extinguishing media which must NOT be used for safety reasons: | Do not use water jet. |

6. ACCIDENTAL RELEASE MEASURES

- | | |
|--|---|
| 6. 1. Personal precautions, protective equipment and emergency procedures: | Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8. |
| 6. 2. Environmental precautions: | Dike and contain spill. |
| 6. 3. Methods and material for containment and cleaning up: | Clean preferably with a detergent - Avoid the use of solvents.
Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). |
| 6. 4. Reference to other sections: | Concerning disposal elimination after cleaning, see item 13. |

7. HANDLING AND STORAGE

- | | |
|--|---|
| 7. 1. Handling: | |
| 7. 1. 1. Precautions for safe handling: | Smoking, eating and drinking is prohibited in areas of storage and use.
For personal protection, see Section 8.
The Manual Handling Operations Regulations may apply to the handling of containers of this product. Refer to the guide weight indicated on the container when carrying out assessments. |
| 7. 1. 2. Technical condition(s): | No special technical protective measures required. |
| 7. 2. Storage: | |
| 7. 2. 1. Conditions for safe storage, including any incompatibilities: | Store in a place accessible by authorised persons only. |

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| 7. 2. 2. Storage condition(s): | Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
Store at temperatures between 5°C and 50°C |
| 7. 2. 3. Packaging / tank material: | made of the same material as the supply container. |
| 7. 3. Specific end use(s): | None under normal use. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8. 1. Control parameters:

8. 1. 1. Exposure limit(s):

No data available.

8. 2. Exposure controls:

- | | |
|------------------------------------|--|
| 8. 2. 1. Respiratory protection: | Not necessary with sufficient ventilation. |
| 8. 2. 2. Hand protection: | When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. nitrile rubber gloves |
| 8. 2. 3. Skin and body protection: | No special required clothing. |
| 8. 2. 4. Eye protection: | Eye protection designed to protect against exposure to dusts should be worn when there is a likelihood of exposure. |

9. PHYSICAL AND CHEMICAL PROPERTIES

9. 1. Information on basic physical and chemical properties:

- | | |
|--|---|
| 9. 1. 1. Appearance: | liquid Limpid |
| 9. 1. 2. Colour: | violet |
| 9. 1. 3. Odour: | ammoniac-like |
| 9. 1. 4. PH: | 12 |
| 9. 1. 5. Boiling point/range: | Not determined. |
| 9. 1. 6. Flash point: | > 80°C |
| 9. 1. 7. Explosion limits: | Explosive limits are unknown in literature. |
| 9. 1. 8. Relative density (water = 1): | 998 kg/m ³ (20°C) |
| 9. 1. 9. Viscosity: | Not determined. |

9. 2. Other information:

- | | |
|------------------------------|---|
| 9. 2. 1. Water solubility: | yes |
| 9. 2. 2. Fat solubility: | Not applicable. |
| 9. 2. 3. Solvent solubility: | soluble in some specific organic solvents |

10. STABILITY AND REACTIVITY

- | | |
|--|--|
| 10. 1. Reactivity: | No decomposition if stored normally. |
| 10. 2. Chemical stability: | Stable under the recommended storage and handling conditions. (See Section 7). |
| 10. 3. Possibility of hazardous reactions: | None under normal use. |
| 10. 4. Conditions to avoid: | Avoid temperature above 50 °C |

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10. 5. Incompatible materials:	None
10. 6. Hazardous decomposition products:	Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide..

11. TOXICOLOGICAL INFORMATION

11. 1. Information on toxicological effects:	There is no data available on the product itself.
11. 2. Acute toxicity:	
11. 2. 1. Inhalation:	No data available.
11. 2. 2. Skin contact:	No data available.
11. 2. 3. Eyes contact:	No data available.
11. 2. 4. Ingestion:	No data available.

12. ECOLOGICAL INFORMATION

12. 1. Toxicity:	Ecological problems are not known or expected under normal use.
12. 2. Persistence and degradability:	Readily biodegradable.
12. 3. Bioaccumulative potential:	Slightly bioaccumulable
12. 4. Mobility in soil:	No data available.
12. 5. Results of PBT and vPvB assessment:	Not applicable.
12. 6. Other adverse effects:	There is no data available on the product itself.

13. DISPOSAL CONSIDERATIONS

13. 1. Waste treatment methods:	Collect all waste in suitable and labelled containers and dispose according to local legislation.
13. 2. Contaminated packaging:	Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

14. TRANSPORT INFORMATION

14. 1. General information(s):	Transport followed ADR, IMDG, IATA
14. 2. UN number:	Not applicable.
14. 6. Environmental hazards:	No special environmental precautions required.
14. 7. Special precautions for user:	Concerning personal protective equipment to use, see item 8.
14. 8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.

15. REGULATORY INFORMATION

15. 1. Safety, health and environmental regulations/legislation specific for the substance or mixture:	Regulation EC 648/2004 relating to the detergents Contains less than 5%: EDTA, phosphates, agents de surface anioniques et agents de surface amphotères
15. 2. Chemical safety assessment:	No data available.

16. OTHER INFORMATION

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16. 1. Text of the phrases listed in section 3:	H319 Causes serious eye irritation. H302 Harmful if swallowed. H332 Harmful if inhaled. H315 Causes skin irritation. H318 Causes serious eye damage. H225 Highly flammable liquid and vapour. H335 May cause respiratory irritation. H314 Causes severe skin burns and eye damage. H400 Very toxic to aquatic life. H304 May be fatal if swallowed and enters airways. H410 Very toxic to aquatic life with long lasting effects. H301 Toxic if swallowed. H311 Toxic in contact with skin. H331 Toxic if inhaled. H317 May cause an allergic skin reaction. H270 May cause or intensify fire; oxidiser. H412 Harmful to aquatic life with long lasting effects.
16. 2. Important remarks:	As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present state of knowledge and current national legislation it provides guidance on health safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.
16. 3. Restrictions:	The product should not be used for purposes other than those shown in Section 16 without first referring to the supplier and obtaining written handling instructions.
16. 4. 1. First edition date:	20/02/2018
16. 4. 2. Version:	1
16. 5. Written by:	SELD