



Final Charge Extender

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 01/01/2024

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : Final Charge Extender
SDS ID : 515029

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

Use of the substance/mixture : Corrosion inhibitors
Coolant

1.3. Details of the supplier of the safety data sheet

Old World Industries, LLC
3100 Sanders Road
Northbrook, IL 60062 - USA
T (847) 559-2000
www.oldworldind.com

1.4. Emergency telephone number

Emergency number : 800 424 9300 (United States); 00 1 703 527 3887 (International)
Chemtrec

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin corrosion/irritation, H315 Causes skin irritation.
Category 2
Reproductive toxicity, H361 Suspected of damaging fertility or the unborn child.
Category 2
Full text of H statements : see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : Causes skin irritation.
Suspected of damaging fertility or the unborn child.
Precautionary statements (GHS-US) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash affected areas thoroughly after handling.
Wear personal protective equipment as required.
If on skin: Wash with plenty of water
If exposed or concerned: Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Dispose of contents/container to appropriate waste disposal facility, in accordance with local/regional/national/international regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

No data available

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SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % by wt | GHS-US classification |
|------------------------------------------|----------------------|---------|-------------------------------------------------------------------------|
| water | (CAS-No.) 7732-18-5 | <= 60 | Not classified |
| sodium benzoate | (CAS-No.) 532-32-1 | <= 25 | Not classified |
| potassium p-tert-butylbenzoate | (CAS-No.) 16518-26-6 | <= 20 | Repr. 2, H361 |
| sodium 4(or 5)-methyl-1H-benzotriazolide | (CAS-No.) 64665-57-2 | <= 3 | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Seek immediate medical advice.
- First-aid measures after skin contact : Rinse immediately with plenty of water (for at least 15 minutes). Remove contaminated clothing. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes, lifting lower and upper lids. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Drink directly plenty of water or milk. Do NOT give sodium bicarbonate, fruit juices or vinegar. Do not induce vomiting without medical advice. Obtain emergency medical attention.

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

- Symptoms/effects after inhalation : May cause respiratory irritation. Excessive vapor concentrations of the major component, as might be generated during heating of this material, have occasionally been reported to cause adverse effects on the blood-forming system and the nervous system.
- Symptoms/effects after skin contact : Contact during a long period may cause light irritation.
- Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating. May cause slight irritation.
- Symptoms/effects after ingestion : Inorganic acid, sodium salt: The lowest does of a similar compound reported to produce death in humans was estimated to be 709 mg/kg body weight. This is for a 150 lb person swallowing about one-tenth (.1) of a pound of the dry material in a short period of time. Acute oral LD50's For a similar compound = 520 mg/kg (rats) 257 mg/kg (mouse).

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Dilute toxic gases with water spray.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Absorb spillage to prevent material damage. Do not touch or walk through spilled material.

6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8.2.

6.1.2. For emergency responders

No additional information available

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6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Absorb spillage to prevent material damage. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Use only outdoors or in a well-ventilated area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Product may become solid at temperatures below 0 °C (32 °F). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Do not store near food, foodstuffs, drugs or potable water supplies. Do not cut, drill, weld, use a blowtorch on, etc. containers even when empty.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| sodium 4(or 5)-methyl-1H-benzotriazole (64665-57-2) |
|-----------------------------------------------------|
| Not applicable |
| sodium benzoate (532-32-1) |
| Not applicable |
| potassium p-tert-butylbenzoate (16518-26-6) |
| Not applicable |
| water (7732-18-5) |
| Not applicable |

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure. High gas/vapor concentration: gas mask. Gloves. Protective clothing. Safety glasses.

Hand protection:

Gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Not required for normal conditions of use. In case of inadequate ventilation wear respiratory protection.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--------------------------------------------|--------------------------------|
| Physical state | : Liquid |
| Color | : Red Clear |
| Odor | : Odorless |
| Odor threshold | : No data available |
| pH | : 8.7 (10 vol %) |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : Not applicable. |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Specific Gravity | : 1.165 |
| Density | : 1.165 kg/l (9.7 lbs/gal) |
| Solubility | : Water: Infinite miscibility. |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive limits | : Not applicable. |
| Explosive properties | : Not applicable. |
| Oxidizing properties | : Not applicable. |

9.2. Other information

VOC content : 0 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Keep away from any flames or sparking source.

10.5. Incompatible materials

Keep away from strong acids, strong bases and oxidizing agents.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Nitrogen oxides. Ammonia.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Acute toxicity : Not classified

| sodium 4(or 5)-methyl-1H-benzotriazolide (64665-57-2) | |
|--------------------------------------------------------------|------------------------|
| LD50 oral rat | 640 - 1980 mg/kg (Rat) |
| LD50 dermal rabbit | > 2000 mg/kg (Rabbit) |
| ATE US (oral) | 640 mg/kg bodyweight |

Skin corrosion/irritation : Causes skin irritation.
pH: 8.7 (10 vol %)

Serious eye damage/irritation : Not classified
pH: 8.7 (10 vol %)

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : May cause respiratory irritation. Excessive vapor concentrations of the major component, as might be generated during heating of this material, have occasionally been reported to cause adverse effects on the blood-forming system and the nervous system.

Symptoms/effects after skin contact : Contact during a long period may cause light irritation.

Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating. May cause slight irritation.

Symptoms/effects after ingestion : Inorganic acid, sodium salt: The lowest does of a similar compound reported to produce death in humans was estimated to be 709 mg/kg body weight. This is for a 150 lb person swallowing about one-tenth (.1) of a pound of the dry material in a short period of time. Acute oral LD50's For a similar compound = 520 mg/kg (rats) 257 mg/kg (mouse).

SECTION 12: Ecological information

12.1. Toxicity

| sodium 4(or 5)-methyl-1H-benzotriazolide (64665-57-2) | |
|--------------------------------------------------------------|------------------------|
| Threshold limit algae 1 | 26.2 mg/l (EC50; 72 h) |

12.2. Persistence and degradability

| sodium 4(or 5)-methyl-1H-benzotriazolide (64665-57-2) | |
|--------------------------------------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

| sodium benzoate (532-32-1) | |
|-----------------------------------|---------------------------------|
| Persistence and degradability | Readily biodegradable in water. |

12.3. Bioaccumulative potential

| sodium 4(or 5)-methyl-1H-benzotriazolide (64665-57-2) | |
|--------------------------------------------------------------|--------------------------------------------------|
| Log Pow | 0.66 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

| sodium benzoate (532-32-1) | |
|-----------------------------------|--------------------------------------------------|
| Log Pow | 0.84 |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the ozone layer : No known effect on the ozone layer

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Effect on global warming : No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container to appropriate waste disposal facility, in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Refer to current TDG Canada for further Canadian regulations

Transport by sea

In accordance with IMDG / IMO

Not regulated

Air transport

In accordance with IATA / ICAO

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

| | |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Final Charge Extender | |
| EPA TSCA Regulatory Flag | Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed |
| sodium 4(or 5)-methyl-1H-benzotriazolide (64665-57-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| water (7732-18-5) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |

15.2. International regulations

CANADA

| | |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Final Charge Extender | |
| WHMIS Classification | This SDS has been prepared according to the criteria of the Hazardous Products Regulations (HPR) (WHMIS 2015) and the SDS contains all of the information required by the HPR. Applicable GHS information is listed in section 2.2 of this SDS. |
| potassium p-tert-butylbenzoate (16518-26-6) | |
| Listed on the Canadian NDSL (Non-Domestic Substances List) | |

15.3. US State regulations

California Proposition 65 - This product does not contain any substance(s) known to the state of California to cause cancer, developmental toxicity and/or reproductive toxicity

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SECTION 16: Other information

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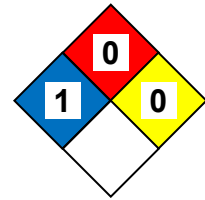
Full text of H-statements:

| | |
|------|------------------------------------------------------|
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



SDS GHS US (GHS HazCom 2012) OWI

Old World Industries, LLC makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is made by Old World Industries, LLC as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Old World Industries, LLC assume liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.