



Conditioner Add

Safety Data Sheet

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

Date of issue: 02/10/2015

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

1.1. Product identifier

Product form : Mixture
Product name : Conditioner Add
Product code : 2230

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

Use of the substance/mixture : Cleaning Additive;Water Conditioning Agent

1.3. Details of the supplier of the safety data sheet

Ace Chemical Products, Inc.
8415 N. 87th Street
Milwaukee, WI 53224 - USA
T (414) 357-8515 - F (414) 357-8528
info@acechem.com - www.acechem.com

1.4. Emergency telephone number

Emergency number : For help in chemical emergencies, call Chemtrec day or night
Chemtrec 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H302+H312 - Harmful if swallowed or in contact with skin
H320 - Causes eye irritation

Precautionary statements (GHS-US) : P260 - Do not breathe dust, mist, spray
P264 - Wash all exposed body parts thoroughly after handling
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER, a doctor
P321 - Specific treatment - see First Aid measures on this label
P363 - Wash contaminated clothing before reuse
P406 - Store in corrosion-resistant container with a resistant inner liner
P501 - Dispose of contents/container to proper treatment facilities in accordance with all applicable local, state & federal regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | GHS-US classification |
|--|---------------------|-----------|-----------------------|
| tetrasodium ethylenediaminetetracetate | (CAS No) 64-02-8 | 20 - 40 | Not classified |
| Sodium Glucoheptonate, 40% | (CAS No) 31138-65-5 | 10 - 20 | Not classified |
| Sodium Phosphonate 40% | (CAS No) 6419-19-8 | 1 - 10 | Not classified |
| Surfactant Blend 417 | (CAS No) 68515-73-1 | 0.7 - 3.5 | Not classified |
| Water | (CAS No) 7732-18-5 | 0.3 - 1.5 | Not classified |

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person.
- First-aid measures after inhalation : Respiratory problems: consult a doctor/medical service. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- First-aid measures after skin contact : Wash immediately with lots of water (15 minutes)/shower. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Do not apply (chemical) neutralizing agents. Consult a doctor/medical service. Take victim to a doctor if irritation persists.
- First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Cover eyes aseptically. Take victim to an ophthalmologist. Do not apply neutralizing agents. Obtain medical attention if pain, blinking or redness persist.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Never give anything by mouth to an unconscious person. Call a POISON CENTER/doctor/physician if you feel unwell.

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

- Symptoms/injuries : Skin rash/inflammation. Dry skin. Irritation of the eye tissue.
- Symptoms/injuries after inhalation : Not irritating.
- Symptoms/injuries after skin contact : May cause moderate irritation.
- Symptoms/injuries after eye contact : Causes eye irritation.
- Symptoms/injuries after ingestion : Irritation of the gastric/intestinal mucosa.
- Symptoms/injuries upon intravenous administration : No effects known.
- Chronic symptoms : Unlikely to cause harmful effects.

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

Obtain immediate medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Fire extinguishing media: not applicable. Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : No unsuitable extinguishing media known. Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No fire hazard.
- Explosion hazard : Not applicable.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Not applicable.

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Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Dam up the liquid spill.

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : direct sunlight, heat sources. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

Maximum storage period : 1 year

Storage temperature : 5 - 60 °C

Storage area : Store in a cool area. Keep out of direct sunlight. Store in a dry area. Store in a dark area. Keep locked up. Provide for a tub to collect spills. Keep only in the original container. Meets the legal requirements.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Alkaline Fortifier | |
|--|----------------|
| ACGIH | Not applicable |
| OSHA | Not applicable |
| Sodium Gluconate, 40% (31138-65-5) | |
| ACGIH | Not applicable |
| OSHA | Not applicable |
| Sodium Phosphonate 40% (6419-19-8) | |
| ACGIH | Not applicable |
| OSHA | Not applicable |
| tetrasodium ethylenediaminetetracetate (64-02-8) | |
| ACGIH | Not applicable |
| OSHA | Not applicable |
| Water (7732-18-5) | |
| ACGIH | Not applicable |
| OSHA | Not applicable |

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Surfactant Blend 417 (68515-73-1)

| | |
|-------|----------------|
| ACGIH | Not applicable |
| OSHA | Not applicable |

8.2. Exposure controls

| | |
|-----------------------------------|---|
| Personal protective equipment | : Avoid all unnecessary exposure. |
| Materials for protective clothing | : neoprene/butyl rubber. polyethylene. |
| Hand protection | : Wear eye protection, face protection, protective clothing, protective gloves protective gloves. |
| Eye protection | : Chemical goggles or safety glasses. |
| Skin and body protection | : Protective clothing. |
| Respiratory protection | : Wear appropriate mask. |
| Thermal hazard protection | : None necessary. |
| Environmental exposure controls | : The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterisation is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures. |
| Other information | : Do not eat, drink or smoke during use. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|-------------------------------------|
| Physical state | : Liquid |
| Appearance | : Clear liquid. |
| Colour | : Amber to brown-black |
| Odour | : Characteristic odour; Sweet |
| Odour threshold | : No data available |
| pH | : 8 - 10 |
| pH solution | : 7 - 9 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : 0 °C |
| Boiling point | : 100 °C |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 1.14 g/ml |
| Solubility | : Soluble in water. Water: 100 % |
| Log Pow | : No data available |
| Log Kow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : None. |
| Oxidising properties | : None. |
| Explosive limits | : No data available |

9.2. Other information

| | |
|-------------|---------|
| VOC content | : < 0 % |
|-------------|---------|

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

tetrasodium ethylenediaminetetracetate (64-02-8)

| | |
|---------------|--------------------|
| LD50 oral rat | > 2000 mg/kg (Rat) |
|---------------|--------------------|

Surfactant Blend 417 (68515-73-1)

| | |
|---------------|--------------|
| LD50 oral rat | > 4000 mg/kg |
|---------------|--------------|

| | |
|--------------------|--------------|
| LD50 dermal rabbit | > 8000 mg/kg |
|--------------------|--------------|

Skin corrosion/irritation : Not classified
pH: 8 - 10

Serious eye damage/irritation : Not classified
pH: 8 - 10

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : Not irritating.

Symptoms/injuries after skin contact : May cause moderate irritation.

Symptoms/injuries after eye contact : Causes eye irritation.

Symptoms/injuries after ingestion : Irritation of the gastric/intestinal mucosa.

Symptoms/injuries upon intravenous administration : No effects known.

Chronic symptoms : Unlikely to cause harmful effects.

SECTION 12: Ecological information

12.1. Toxicity

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| tetrasodium ethylenediaminetetracetate (64-02-8) | |
|---|--|
| LC50 fishes 1 | 121 mg/l (96 h; Lepomis macrochirus; Soft water) |
| EC50 Daphnia 1 | 625 mg/l (24 h; Daphnia magna) |
| LC50 fish 2 | 374 - 792 mg/l (96 h; Lepomis macrochirus; pH > 7) |
| Threshold limit algae 1 | > 100 mg/l (72 h; Scenedesmus subspicatus; Growth) |

| Surfactant Blend 417 (68515-73-1) | |
|--|--|
| LC50 fishes 1 | > 200 mg/l Pimephales promelas (fathead minnow) static test 96 hours |
| EC50 Daphnia 1 | > 280 mg/l |

12.2. Persistence and degradability

| Alkaline Fortifier | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

| tetrasodium ethylenediaminetetracetate (64-02-8) | |
|---|---|
| Persistence and degradability | Not readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | < 0.002 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 0.54 - 0.58 g O ₂ /g substance |

| Surfactant Blend 417 (68515-73-1) | |
|--|---|
| Persistence and degradability | According to literature, easily degradable in the soil. |
| Biochemical oxygen demand (BOD) | >60% after 28 days OECD301F test |

12.3. Bioaccumulative potential

| Alkaline Fortifier | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| tetrasodium ethylenediaminetetracetate (64-02-8) | |
|---|----------------------------------|
| Log Pow | -2.6 |
| Bioaccumulative potential | Bioaccumulation: not applicable. |

| Surfactant Blend 417 (68515-73-1) | |
|--|------------------|
| Log Pow | < 3.5 Calculated |

12.4. Mobility in soil

| Surfactant Blend 417 (68515-73-1) | |
|--|------------------------|
| Mobility in soil | No relevant data found |

12.5. Other adverse effects

| | |
|------------------------------|--|
| Effect on ozone layer | : |
| Effect on the global warming | : No known ecological damage caused by this product. |
| Other information | : Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--------------------------------|---|
| Waste disposal recommendations | : Remove waste in accordance with local, state and/or national regulations. Remove for physico-chemical/biological treatment. Do not discharge into surface water. Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to proper treatment facilities in accordance with all applicable local, state & federal regulations. |
| Ecology - waste materials | : Avoid release to the environment. |

SECTION 14: Transport information

In accordance with DOT
Not regulated for transport

Additional information

| | |
|-------------------|---|
| Other information | : No supplementary information available. |
|-------------------|---|

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ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

15.2.2. National regulations

15.3. US State regulations

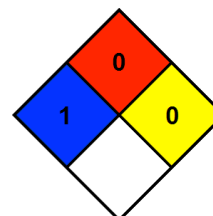
SECTION 16: Other information

Other information : None.

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : C

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product