

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/16/2015

Reviewed on 05/08/2015

1 Identification

- **Product identifier**
- **Trade name:** ER/35®
- **Article number:** ER/35®
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Chemical Consultants Inc.
1850 Wild Turkey Circle
Corona, CA 92880
USA
+1 (951) 735-5511
ncollins@ccidom.com
- **Information department:** Product safety department
- **Emergency telephone number:** INFOTRAC 1-800-535-5053

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard statements**
Causes skin irritation.
Causes serious eye irritation.
- **Precautionary statements**
Wear protective gloves.
Wear eye protection / face protection.
Wash thoroughly after handling.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Specific treatment (see on this label).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.

(Contd. on page 2)

Safety Data Sheet

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Printing date 06/16/2015

Reviewed on 05/08/2015

Trade name: ER/35®

(Contd. of page 1)

- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**

| | | |
|------------|---|----------------|
| HEALTH | 1 | Health = 1 |
| FIRE | 1 | Fire = 1 |
| REACTIVITY | 0 | Reactivity = 0 |

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

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

| | | |
|------------|--------------------|------|
| 7790-28-5 | sodium periodate | 1-5% |
| 10450-60-9 | orthoperiodic acid | 1-5% |

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/16/2015

Reviewed on 05/08/2015

Trade name: ER/35®

(Contd. of page 2)

- **Environmental precautions:**
Dilute with plenty of water.
For large spills: Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling.

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(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/16/2015

Reviewed on 05/08/2015

Trade name: ER/35®

(Contd. of page 3)

9 Physical and chemical properties

| | |
|-----------------------------------------------------------------------------|------------------------------------|
| · Information on basic physical and chemical properties | |
| · General Information | |
| · Appearance: | |
| · Form: | Fluid |
| · Color: | According to product specification |
| · Odor: Characteristic | |
| · Odour threshold: Not determined. | |
| · pH-value: Not determined. | |
| · Change in condition | |
| · Melting point/Melting range: | Undetermined. |
| · Boiling point/Boiling range: | 100 °C (212 °F) |
| · Flash point: > 100 °C (> 212 °F) | |
| · Flammability (solid, gaseous): Not applicable. | |
| · Ignition temperature: | |
| · Decomposition temperature: | Not determined. |
| · Auto igniting: Product is not selfigniting. | |
| · Danger of explosion: Product does not present an explosion hazard. | |
| · Explosion limits: | |
| · Lower: | Not determined. |
| · Upper: | Not determined. |
| · Vapor pressure at 20 °C (68 °F): 23 hPa (17 mm Hg) | |
| · Density at 20 °C (68 °F): 1.063 g/cm ³ (8.871 lbs/gal) | |
| · Relative density Not determined. | |
| · Vapour density Not determined. | |
| · Evaporation rate Not determined. | |
| · Solubility in / Miscibility with | |
| · Water: | Fully miscible. |
| · Partition coefficient (n-octanol/water): Not determined. | |
| · Viscosity: | |
| · Dynamic: | Not determined. |
| · Kinematic: | Not determined. |
| · Solvent content: | |
| · Organic solvents: | 0.0 % |
| · Other information No further relevant information available. | |

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

(Contd. on page 5)

Safety Data Sheet

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Printing date 06/16/2015

Reviewed on 05/08/2015

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(Contd. of page 4)

· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
- Dispose of content and/or container in accordance with local, regional, national and/or international regulations.
- **Uncleaned packagings:**
- **Recommendation:**
- Dispose of content and/or container in accordance with local, regional, national and/or international regulations
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

(Contd. on page 6)

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(Contd. of page 5)

14 Transport information

| | |
|----------------------------------------------------------------------------------|------------------------|
| <i>· UN-Number</i> | |
| <i>· DOT, ADN, IMDG, IATA</i> | <i>not regulated</i> |
| <i>· UN proper shipping name</i> | |
| <i>· DOT, ADN, IMDG, IATA</i> | <i>not regulated</i> |
| <i>· Transport hazard class(es)</i> | |
| <i>· DOT, ADN, IMDG, IATA</i> | |
| <i>· Class</i> | <i>not regulated</i> |
| <i>· Packing group</i> | |
| <i>· DOT, IMDG, IATA</i> | <i>not regulated</i> |
| <i>· Environmental hazards:</i> | |
| <i>· Marine pollutant:</i> | <i>No</i> |
| <i>· Special precautions for user</i> | <i>Not applicable.</i> |
| <i>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</i> | <i>Not applicable.</i> |
| <i>· UN "Model Regulation":</i> | <i>-</i> |

15 Regulatory information

| | |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <i>· Safety, health and environmental regulations/legislation specific for the substance or mixture</i> | |
| <i>· Sara</i> | |
| <i>· Section 355 (extremely hazardous substances):</i> | <i>None of the ingredients is listed.</i> |
| <i>· Section 313 (Specific toxic chemical listings):</i> | <i>None of the ingredients is listed.</i> |
| <i>· TSCA (Toxic Substances Control Act):</i> | <i>All ingredients are listed.</i> |
| <i>· Proposition 65</i> | |
| <i>· Chemicals known to cause cancer:</i> | <i>None of the ingredients is listed.</i> |
| <i>· Chemicals known to cause reproductive toxicity for females:</i> | <i>None of the ingredients is listed.</i> |
| <i>· Chemicals known to cause reproductive toxicity for males:</i> | <i>None of the ingredients is listed.</i> |
| <i>· Chemicals known to cause developmental toxicity:</i> | <i>None of the ingredients is listed.</i> |
| <i>· Carcinogenic categories</i> | |
| <i>· EPA (Environmental Protection Agency)</i> | <i>None of the ingredients is listed.</i> |
| <i>· TLV (Threshold Limit Value established by ACGIH)</i> | <i>None of the ingredients is listed.</i> |

(Contd. on page 7)

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(Contd. of page 6)

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard statements**

Causes skin irritation.

Causes serious eye irritation.

· **Precautionary statements**

Wear protective gloves.

Wear eye protection / face protection.

Wash thoroughly after handling.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

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

· **Department issuing SDS:** Environment protection department.

· **Contact:** Mr. Collins

· **Date of preparation / last revision** 06/16/2015 / -

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A