1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product Identity No. 10612 Remedia I
Alternate Names No. 10612

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use Cleaning compound
Application Method See Label Instructions.

1.3. Details of the supplier of the safety data sheet
Company Name Hill Manufacturing Co., Inc.
1500 Jonesboro Road SE
Atlanta, GA 30315
Emergency
24 hour Emergency Telephone No. (800) 535-5053
Customer Service: Hill Manufacturing Co., Inc. (404) 522-8364

2. Hazard identification of the product

2.1. Classification of the substance or mixture
Ox. Liq. 1;H271 May cause fire or explosion; strong oxidizer.
Acute Tox. 4;H302 Harmful if swallowed.
Acute Tox. 5;H313 May be harmful in contact with skin. (Not adopted by US OSHA)
Acute Tox. 3;H331 Toxic if inhaled.
Skin Corr. 1A;H314 Causes severe skin burns and eye damage.
Eye Dam. 1;H318 Causes serious eye damage.
STOT SE 3;H335 May cause respiratory irritation.
Aquatic Acute 1;H400 Very toxic to aquatic life.

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Danger

H271 May cause fire or explosion; strong oxidizer.
H302 Harmful if swallowed.
H313 May be harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.

[Prevention]:
P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P220 Keep / Store away from clothing combustible materials.
P221 Take any precaution to avoid mixing with combustibles.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P283 Wear fire / flame resistant / retardant clothing.

[Response]:
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P306+360 IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P310 Immediately call a POISON CENTER or doctor / physician.
P311 Call a POISON CENTER or doctor / physician.
P321 Specific treatment (see information on this label).
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P363 Wash contaminated clothing before reuse.
P370+380+375 In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
P371 In case of major fire and large quantities:
P378 Use alcohol resistant foam, CO2, powder, water spray for extinction. Do not use water jet.
P391 Collect spillage.

[Storage]:
P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.

[Disposal]:
P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>75 - 100</td>
<td>Ox. Liq. 1;H271</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0007722-84-1</td>
<td></td>
<td>Acute Tox. 4;H332</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute Tox. 4;H302</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Skin Corr. 1A;H314</td>
<td></td>
</tr>
</tbody>
</table>

[1] Substance classified with a health or environmental hazard.
*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General
Move victim to fresh air.
Call 911 or emergency medical service if deemed necessary.
Give artificial respiration if victim is not breathing.
Administer oxygen if breathing is difficult.
Remove and isolate contaminated clothing and shoes.
Contaminated clothing may be a fire risk when dry.
In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
Keep victim warm and quiet.
Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Inhalation
Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If
unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

**Eyes**
Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

**Skin**
Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Shower and wash with soap and water. Keep victim warm and quiet.

**Ingestion**
If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

#### Overview
No specific symptom data available.
See section 2 for further details.

#### Inhalation
Toxic if inhaled.

#### Eyes
Causes serious eye damage.

#### Skin
May be harmful in contact with skin. (Not adopted by US OSHA) Causes severe skin burns and eye damage.

#### Ingestion
Harmful if swallowed.

### 5. Fire-fighting measures

#### 5.1. Extinguishing media
Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.
Do not use; water jet.

#### 5.2. Special hazards arising from the substance or mixture
Hazardous decomposition: When heated, emits highly toxic and corrosive fumes of hydrogen compounds and hydrogen gas.
Keep away from heat / sparks / open flames / hot surfaces - No smoking.
Keep / Store away from clothing combustible materials.
Take any precaution to avoid mixing with combustibles.
Avoid breathing dust / fume / gas / mist / vapors / spray.

#### 5.3. Advice for fire-fighters
Wear positive pressure self-contained breathing apparatus (SCBA).
Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.
Structural firefighters' protective clothing will only provide limited protection.
These substances will accelerate burning when involved in a fire.
Some may decompose explosively when heated or involved in a fire.
May explode from heat or contamination.
Some will react explosively with hydrocarbons (fuels).
May ignite combustibles (wood, paper, oil, clothing, etc.).
Containers may explode when heated.
Runoff may create fire or explosion hazard.
Inhalation, ingestion or contact (skin, eyes) with vapors or substance may cause severe injury, burns or death.
Fire may produce irritating, corrosive and/or toxic gases.
Runoff from fire control or dilution water may cause pollution.

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### 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures
**Large Spill:** Following product recovery, flush area with water.

#### 6.2. Environmental precautions
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### 6.3. Methods and material for containment and cleaning up
As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids.
Keep unauthorized personnel away.
Stay upwind.
Keep out of low areas.
Ventilate closed spaces before entering.
Contain, dilute cautiously with water, and neutralize with soda ash or lime.

### 7. Handling and storage

#### 7.1. Precautions for safe handling
See section 2 for further details. - [Prevention]:

#### 7.2. Conditions for safe storage, including any incompatibilities
Handle containers carefully to prevent damage and spillage.
Incompatible materials: Metal, glass, stoneware, alkali and strong concentrated acids.
See section 2 for further details. - [Storage]:

#### 7.3. Specific end use(s)
No data available.

### 8. Exposure controls and personal protection

#### 8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0007722-84-1</td>
<td>Hydrogen peroxide</td>
<td>OSHA</td>
<td>TWA 1 ppm (1.4 mg/m3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>TWA: 1 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>TWA 1 ppm (1.4 mg/m3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

#### Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0007722-84-1</td>
<td>Hydrogen peroxide</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;</td>
</tr>
</tbody>
</table>

#### 8.2. Exposure controls

- **Respiratory**: Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.
- **Eyes**: Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.
- **Skin**: Chemical resistant clothing such as coveralls/apron boots should be worn. Chemical Impervious Gloves
- **Engineering Controls**: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
- **Other Work Practices**: Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

### 9. Physical and chemical properties

- **Appearance**: Colorless Liquid
- **Odor**: No data available.
- **Odor threshold**: Not Measured
- **pH**: 1.5-3.5
- **Melting point / freezing point**: Not Measured
- **Initial boiling point and boiling range**: 212 deg F
- **Flash Point**: Not Measured
- **Evaporation rate (Ether = 1)**: <1
Flammability (solid, gas)  Not Applicable
Upper/lower flammability or explosive limits Lower Explosive Limit: Not Measured

Upper Explosive Limit: Not Measured
Vapor pressure (mmHg) 25
Vapor Density Heavier than air
Specific Gravity 1.11
Solubility in Water Complete
Partition coefficient n-octanol/water (Log Kow) Not Measured
Auto-ignition temperature Not Measured
Decomposition temperature Not Measured
Viscosity (cSt) Not Measured

9.2. Other information
No other relevant information.

10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
Excessive heat and open flame.

10.5. Incompatible materials
Metal, glass, stoneware, alkali and strong concentrated acids.

10.6. Hazardous decomposition products
When heated, emits highly toxic and corrosive fumes of hydrogen compounds and hydrogen gas.

11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LD50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LD50, mg/L/4hr</th>
<th>Inhalation Gas LD50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide - (7722-84-1)</td>
<td>801.00, Rat - Category: 4</td>
<td>2,000.00, Rat - Category: 4</td>
<td>2.00, Rat - Category: 2</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>4</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>5</td>
<td>May be harmful in contact with skin. (Not adopted by US OSHA)</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>3</td>
<td>Toxic if inhaled.</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>1A</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>1</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>Respiratory sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
12. Ecological information

12.1. Toxicity
No additional information provided for this product. See Section 3 for chemical specific data.
Very toxic to aquatic life.
Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide - (7722-84-1)</td>
<td>22.00, Oncorhynchus mykiss</td>
<td>2.32, Daphnia magna</td>
<td>0.71 (72 hr), Microcystis pulverea ssp. incerta</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
There is no data available on the preparation itself.
12.3. Bioaccumulative potential
Not Measured
12.4. Mobility in soil
No data available.
12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.
12.6. Other adverse effects
No data available.

13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

14.1. UN number
DOT (Domestic Surface Transportation) UN2984
IMO / IMDG (Ocean Transportation) UN2984
ICAO/IATA UN2984

14.2. UN proper shipping name
UN2984, Hydrogen peroxide, aqueous solutions with not less than 8 percent but less than 20 percent hydrogen peroxide (stabilized as necessary), 5.1, III

14.3. Transport hazard class(es)
DOT Hazard Class: 5.1
DOT Label: 5.1
IMO: Not Applicable
Sub Class: Not Applicable
Air Class: Not Applicable

14.4. Packing group
III

14.5. Environmental hazards
IMDG Marine Pollutant: Yes (Hydrogen peroxide)

14.6. Special precautions for user
No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification: D1B E C

US EPA Tier II Hazards:
- Fire: No
- Sudden Release of Pressure: No
- Reactive: Yes
- Immediate (Acute): Yes
- Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:
- Hydrogen peroxide

EPCRA 313 Toxic Chemicals:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

N.J. RTK Substances (>1%):
- Hydrogen peroxide

Penn RTK Substances (>1%):
- Hydrogen peroxide

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:
- H271 May cause fire or explosion; strong oxidizer.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H332 Harmful if inhaled.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

End of Document