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Revision Number 1

## 1. Identification

### Product identifier

Product Name 234 Premium Heavy Duty Clear

### Other means of identification

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended use Wallpaper adhesive

Restrictions on use Use only for intended applications

### Details of the supplier of the safety data sheet

#### Supplier Address

Roman Products, LLC  
824 State St.  
Calumet City, IL 46307 USA  
708-891-0770

### Emergency telephone number

Emergency telephone +1 708-891-0770 (8:30 AM – 5:00 PM - Monday through Friday)

## 2. Hazard identification

### Classification

|                    |             |
|--------------------|-------------|
| Skin sensitisation | Category 1A |
| Carcinogenicity    | Category 2  |

### Label elements

#### Warning

#### Hazard statements

May cause an allergic skin reaction  
Suspected of causing cancer



**Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves, protective clothing, eye protection and face protection

Avoid breathing dust, fume, gas, mist, vapors and spray

Contaminated work clothing should not be allowed out of the workplace

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Skin**

IF ON SKIN: Wash with plenty of water and soap

If skin irritation or rash occurs: Get medical advice and attention

Take off all contaminated clothing and wash it before reuse

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents and container to an approved waste disposal plant

**Other information**

No information available

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

| Chemical name                        | CAS No    | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--------------------------------------|-----------|----------|--|---|
| Potato starch                        | 9005-25-8 | 20-30%   | -  |   |
| 2,6-Dimethyl-1,3-dioxan-4-yl acetate | 828-00-2  | 0.1<1%   | -  |   |

**4. First-aid measures****Description of first aid measures****General advice**

Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention.

**Inhalation**

Remove to fresh air.

**Eye contact**

Rinse thoroughly with plenty of water, also under the eyelids.

**Skin contact**

Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.

**Ingestion**

Rinse mouth.

**Most important symptoms and effects, both acute and delayed****Symptoms**

Itching. Rashes. Hives.

**Indication of any immediate medical attention and special treatment needed**

**Note to doctors** May cause sensitisation in susceptible persons. Treat symptomatically.

**5. Fire-fighting measures**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

**Specific hazards arising from the chemical** Product is or contains a sensitiser. May cause sensitisation by skin contact.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

**Other information** Refer to protective measures listed in Sections 7 and 8.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labelled containers.

**7. Handling and storage****Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. Exposure controls/personal protection****Control parameters****Exposure Limits**

| Chemical name              | Alberta                   | British Columbia                                      | Ontario                   | Quebec                    |
|----------------------------|---------------------------|---|---------------------------|---------------------------|
| Potato starch<br>9005-25-8 | TWA: 10 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup><br>TWA: 3 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup> |

**Appropriate engineering controls**

**Engineering controls**                      Showers  
 Eyewash stations  
 Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      Wear safety glasses with side shields (or goggles).

**Hand protection**                              Wear suitable gloves.

**Skin and body protection**                      Wear suitable protective clothing.

**Respiratory protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**                      Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

**Appearance**

|                 |                          |
|-----------------|--------------------------|
| Physical state  | Liquid                   |
| Colour          | Clear                    |
| Odour           | No information available |
| Odour threshold | No information available |

| <u>Property</u>                         | <u>Values</u>             | <u>Remarks • Method</u> |
|---|---------------------------|-------------------------|
| pH                                      | 5 - 6.8                   | No data available       |
| Melting point / freezing point          | 0 °C / 32 °F              | No data available       |
| Initial boiling point and boiling range | - 100 °C 212 °F           | No data available       |
| Flash point                             |                           | No data available       |
| Evaporation rate                        |                           | No data available       |
| Flammability                            |                           | No data available       |
| Flammability Limit in Air               |                           |                         |
| Upper flammability or explosive limits  |                           | No data available       |
| Lower flammability or explosive limits  |                           | No data available       |
| Vapour pressure                         |                           | No data available       |
| Vapour density                          |                           | No data available       |
| Relative density                        | 1.145                     | No data available       |
| Water solubility                        |                           | No data available       |
| Solubility in other solvents            |                           | No data available       |
| Partition coefficient                   |                           | No data available       |
| Autoignition temperature                |                           | No data available       |
| Decomposition temperature               |                           | No data available       |
| Kinematic viscosity                     |                           | No data available       |
| Dynamic viscosity                       | 240000 cP                 | No data available       |
| <b><u>Other information</u></b>         |                           |                         |
| Explosive properties                    | No information available. |                         |
| Oxidising properties                    | No information available. |                         |
| Softening point                         | No information available  |                         |
| Molecular weight                        | No information available  |                         |
| VOC Content (%)                         | <5 g/L <5                 |                         |
| Liquid Density                          | No information available  |                         |
| Bulk density                            | No information available  |                         |

## 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | None under normal use conditions.         |
| <b>Chemical stability</b>                 | Stable under normal conditions.           |
| <b>Possibility of hazardous reactions</b> | None under normal processing.             |
| <b>Conditions to avoid</b>                | None known based on information supplied. |
| <b>Incompatible materials</b>             | None known based on information supplied. |
| <b>Hazardous decomposition products</b>   | None known based on information supplied. |

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available.   |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available.   |
| <b>Skin contact</b> | May cause sensitisation by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available.   |

### Symptoms related to the physical, chemical and toxicological characteristics

|                 |                         |
|-----------------|-------------------------|
| <b>Symptoms</b> | Itching. Rashes. Hives. |
|-----------------|-------------------------|

### Acute toxicity

#### Numerical measures of toxicity

No information available.

#### Component Information

| Chemical name                                    | Oral LD50            | Dermal LD50 | Inhalation LC50 |
|--|----------------------|-------------|-----------------|
| 2,6-Dimethyl-1,3-dioxan-4-yl acetate<br>828-00-2 | = 1930 mg/kg ( Rat ) | -           | -               |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>         | No information available.  |
| <b>Serious eye damage/eye irritation</b> | No information available.  |
| <b>Respiratory or skin sensitisation</b> | May cause sensitisation by skin contact.   |
| <b>Germ cell mutagenicity</b>            | No information available.  |
| <b>Carcinogenicity</b>                   | Contains a known or suspected carcinogen. Classification based on data available for ingredients. Suspected of causing cancer. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|---------------|-------|------|-----|------|
|---------------|-------|------|-----|------|

|  |   |         |   |   |
|--|---|---------|---|---|
| 2,6-Dimethyl-1,3-dioxan-4-yl acetate<br>828-00-2 | - | Group 3 | - | - |
|--|---|---------|---|---|

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

Group 3 - Not Classifiable as to Carcinogenicity in Humans

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>Reproductive toxicity</b>    | No information available.       |
| <b>STOT - single exposure</b>   | No information available.       |
| <b>STOT - repeated exposure</b> | No information available.       |
| <b>Target organ effects</b>     | Respiratory system. Eyes. Skin. |
| <b>Aspiration hazard</b>        | No information available.       |

**12. Ecological information****Ecotoxicity**

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Persistence and degradability</b> | No information available. |
| <b>Bioaccumulation</b>               | No information available. |
| <b>Mobility in soil</b>              | No information available. |
| <b>Other adverse effects</b>         | No information available. |

**13. Disposal considerations****Waste treatment methods**

|  |   |
|--|---|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.  |

**14. Transport information**

|                    |               |
|--------------------|---------------|
| <b><u>TDG</u></b>  | Not regulated |
| <b><u>IATA</u></b> | Not regulated |
| <b><u>IMDG</u></b> | Not regulated |

**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****International Regulations**

|   |                |
|---|----------------|
| <b>The Montreal Protocol on Substances that Deplete the Ozone Layer</b> | Not applicable |
| <b>The Stockholm Convention on Persistent Organic Pollutants</b>        | Not applicable |
| <b>The Rotterdam Convention</b>   | Not applicable |

**International Inventories**

Contact supplier for inventory compliance status

**TSCA** All components are listed on the TSCA Inventory.**16. Other information**

|                            |                           |                       |                           |                              |
|----------------------------|---------------------------|-----------------------|---------------------------|------------------------------|
| <b>NFPA</b>                | <b>Health hazards</b> 2   | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Special hazards</b> -     |
| <b>HMIS</b>                | <b>Health hazards</b> 2 * | <b>Flammability</b> 0 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X |
| Chronic Hazard Star Legend | * = Chronic Health Hazard |                       |                           |                              |

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

**Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
 Organisation for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

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**End of Safety Data Sheet**