

## Material Safety Data Sheet

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

**Product name:** RPG-2

**Product code:** 10091741

**Supplier:** Carestream Health, Inc., 150 Verona Street, Rochester, New York 14608; Carestream Health Canada Company, 6 Monogram Place, Suite 200, Toronto, Ontario, M9R 0A1

MSDS Prepared by: Health, Safety and Environment, Carestream Health, Inc., Rochester, New York, 14608.

For Emergency Health Information call: 1-800-424-9300.

For Other Information, call the Marketing and Distribution Center in Your Area.

**Synonyms:** None.

**Product Use:** Film or paper manufacturing chemical

### 2. Hazards identification

**CONTAINS:** Poly(methyl methacrylate) (9011-14-7), Substituted thiazolin-3-one (not applicable), Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)

**WARNING!**

**CAUSES SKIN AND EYE IRRITATION  
MAY CAUSE ALLERGIC SKIN REACTION**

**HMIS II Hazard Ratings:**

Health - 2, Flammability - 1, Reactivity (Stability) - 0

**NFPA Hazard Ratings:**

Health - 1, Flammability - 1, Instability - 0

NOTE: HMIS II and NFPA hazard indexes involve data review and interpretation that may vary among companies. They are intended only for rapid, general identification of the magnitude of the potential hazards. An asterisk (\*), in the HMIS II health field, designates potential chronic or target organ hazards. To adequately address safe handling, ALL information in this MSDS must be considered.

### 3. Composition/information on ingredients

Weight %	Components (CAS-No.)
70 - 80	Water (7732-18-5)
20 - 25	Poly(methyl methacrylate) (9011-14-7)
1 - 10	Gelatins (9000-70-8)

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0.1 - 1	Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)
< 0.1	Isothiazoline derivatives (not applicable)

### 4. First aid measures

**Inhalation:** If inhaled, move to fresh air. Get medical attention if symptoms occur.

**Eyes:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Skin:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

**Ingestion:** Get medical attention if symptoms occur.

### 5. Fire-fighting measures

**Extinguishing Media:** water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, foam.

**Special Fire-Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.

**Hazardous Combustion Products:** Carbon oxides

**Unusual Fire and Explosion Hazards:** None.

### 6. Accidental release measures

**Methods for cleaning up:** Absorb spill with inert material, then place in a chemical waste container. Clean surface thoroughly to remove residual contamination.

### 7. Handling and storage

**Personal precautions:** Avoid prolonged or repeated breathing of vapour. Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Wash thoroughly after handling.

**Prevention of Fire and Explosion:** Keep from contact with oxidizing materials.

**Storage:** Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

### 8. Exposure controls / personal protection

**Occupational exposure controls:** Not established

**Ventilation:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

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**Respiratory protection:** None should be needed under normal conditions of use.

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

**Skin and body protection:** Wear impervious gloves and protective clothing appropriate for the risk of exposure.

**Recommended Decontamination Facilities:** Safety shower, eye wash, washing facilities as appropriate to condition of use.

### 9. Physical and Chemical Properties

**Physical form:** liquid

**Colour:** not available

**Odour:** not available

**Specific gravity:** No data available

**Vapour pressure:** No data available

**Vapour density:** No data available

**Volatile fraction by weight:** 70 - 80 %

**Boiling point/range:** > 35.0 °C (> 95.0 °F) (estimated)

**Water solubility:** No data available

**pH:** No data available

**Flash point:** > 93.3 °C (> 200.0 °F) estimated

### 10. Stability and reactivity

**Stability:** Stable

**Incompatibility:** Strong oxidizing agents.

**Hazardous decomposition products:** None under normal conditions of use.

**Hazardous Polymerization:** Hazardous polymerization does not occur.

### 11. Toxicological information

#### Effects of Exposure

#### General advice:

Contains: Poly(methyl methacrylate). Trace amounts of residual monomer remaining in

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cured (polymerized) product may cause an allergic skin reaction in individuals previously sensitized to this product or other acrylates.

**Inhalation:** Expected to be a low hazard for recommended handling.

**Eyes:** Causes eye irritation.

**Skin:** Causes skin irritation. May cause allergic skin reaction based on human experience.

**Ingestion:** Expected to be a low ingestion hazard.

### Data for Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (CAS 577-11-7):

#### Acute Toxicity Data:

- Oral LD50 (rat): 800 - 1,600 mg/kg
- Oral LD50 (rat): 4,200 mg/kg (data supplied by vendor)
- Dermal LD50: > 1,000 mg/kg
- Dermal LD50: 10,000 mg/kg (data supplied by vendor)
- Skin irritation: Severe skin irritation
- Skin irritation: moderate (data supplied by vendor)
- Eye irritation (unwashed eyes): Severe eye irritation
- Eye irritation (washed eyes): moderate
- Eye irritation (data supplied by vendor): moderate

## 12. Ecological information

The following properties are ESTIMATED from the components of the preparations.

#### Potential Toxicity:

Fish LC50:	> 100 mg/l
Daphnid EC50:	> 100 mg/l
Algal IC50:	10 - 100 mg/l

Waste treatment organisms EC50: > 100 mg/l

Organics Readily Degradable: Not readily biodegradable

After dilution with a large amount of water, followed by secondary waste treatment, this material is not expected to cause adverse environmental effects.

## 13. Disposal considerations

Discharge, treatment, or disposal is subject to national, state, provincial, or municipal laws. Incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied.

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### 14. Transport information

Not regulated for all modes of transportation.

For more transportation information, go to: <http://ship.carestreamhealth.com>.

### 15. Regulatory information

**WHMIS (Canada):** D2B

**WHMIS Symbol(s):**



**U.S. California Prop. 65:** none

**Carcinogenicity Classification (components present at 0.1% or more):**

International Agency for Research on Cancer (IARC): Poly(methyl methacrylate): 3  
(Classification not possible from current data.)

American Conference of Governmental Industrial Hygienists (ACGIH): none

U.S. National Toxicology Program (NTP): none

U.S. Occupational Safety and Health Administration (OSHA): none

**Chemical(s) subject to the reporting requirements of U.S. Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372:**  
none

### 16. Other information

**US/Canadian Label Statements:**

**CONTAINS:** Poly(methyl methacrylate) (9011-14-7), Substituted thiazolin-3-one (not applicable), Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (577-11-7)

**WARNING!**

**CAUSES SKIN AND EYE IRRITATION**

**MAY CAUSE ALLERGIC SKIN REACTION**

Avoid prolonged or repeated breathing of mist or vapour.

Avoid contact with eyes, skin, and clothing.

Ensure adequate ventilation.

Wash thoroughly after handling.

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**FIRST AID:** In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before re-use. Destroy or thoroughly clean contaminated shoes.

Keep out of reach of children.

Do not handle or use until safety precautions in Material Safety Data Sheet (MSDS) have been read and understood.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

**IN CASE OF FIRE:** Use water spray, foam, dry chemical, carbon dioxide (CO<sub>2</sub>).

**IN CASE OF SPILL:** Absorb spill with inert material, then place in a chemical waste container.

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The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment. The information relating to the working solution is for guidance purposes only, and is based on correct mixing and use of the product according to instructions.

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R-1, S-2, F-1, C-0