

SAFETY DATA SHEET

RTP Glass & Surface Cleaner

Page: 1 of 6

Revision: 01/11/2015

Distributor: Southern Maintenance Supply Co. Inc. 320 Page Street, Lynchburg, VA 24501 (434)847-4396

1. Product and Company Identification

Product Code: 4527
Product Name: RTP Glass & Surface Cleaner
Company Name: PDQ Manufacturing, Inc. **Phone Number:**
201 Victory Circle (706)636-1848
Ellijay, GA 30540
Web site address: www.pdqonline.com
Emergency Contact: Chemtrec, Use Company Code: A814 (800)424-9300
Information: info@pdqonline.com (706)636-1848

2. Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2

Specific Target Organ Toxicity (single exposure), Category 3



GHS Signal Word: **Warning**

GHS Hazard Phrases: H319 - Causes serious eye irritation.
H335 - May cause respiratory irritation.

GHS Precaution Phrases: P233 - Keep container tightly closed.
P264 - Wash hands thoroughly after handling.
P261 - Avoid breathing fumes.
P271 - Use only outdoors or in a well-ventilated area.

GHS Response Phrases: P370+378 - In case of fire, use agents suitable to surrounding fire to extinguish.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advise. Have product container or label with you when calling poison control center or physician.
P337+313 - If eye irritation persists, get medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER/doctor/... if you feel unwell.

GHS Storage and Disposal Phrases: P403+235 - Store in cool/well-ventilated place.
P501 - Unused product is not a RCRA Hazardous waste. However, contaminated product and wastes may be RCRA hazardous. Users are advised to determine the appropriate disposal method based on local, state and federal regulations and comply with those regulations.
P403+233 - Store container tightly closed in well-ventilated place - if product is as volatile as to generate hazardous atmosphere.
P405 - Store locked up.

SAFETY DATA SHEET

RTP Glass & Surface Cleaner

| | |
|--|---|
| Potential Health Effects (Acute and Chronic): | Prolonged or repeated skin contact may cause defatting and dermatitis. Chronic: None. |
| Inhalation: | No hazard expected in normal industrial use. |
| Skin Contact: | May cause irritation with pain and stinging, especially if the skin is abraded. Isopropanol has a low potential to cause allergic skin reactions; however, rare cases of allergic contact dermatitis have been reported. Dermal absorption has been considered toxicologically insignificant. |
| Eye Contact: | Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. May cause transient corneal injury. In the eyes of a rabbit, 0.1 ml of a rabbit, 0.1 ml of 70% isopropyl alcohol caused conjunctivitis, isopropyl alcohol caused conjunctivitis, iritis, and corneal opacity. |
| Ingestion: | Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause kidney damage. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal. The probable oral lethal dose in humans is 240 ml (2696 mg/kg), but ingestion of only 20 ml (224 mg/kg) has, but in gestion of only 20 ml (224 mg/kg) has caused poisoning. |

3. Composition/Information on Ingredients

| CAS # | Hazardous Components (Chemical Name) | Concentration |
|---------|---|---------------|
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | 2.0 -6.0 % |

4. First Aid Measures

Emergency and First Aid Procedures:

| | |
|---------------------------------|--|
| In Case of Inhalation: | No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If inhaled, remove to fresh air. If breathing is difficult, give oxygen. |
| In Case of Skin Contact: | No specific treatment is necessary, since this material is not likely to be hazardous. In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse. |
| In Case of Eye Contact: | In case of contact, immediately flush eyes with plenty of water for a t least 15 minutes. Get medical aid. |
| In Case of Ingestion: | Potential for aspiration if swallowed. Get medical aid immediately. Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward. |
| Note to Physician: | None known. Urine acetone test may be helpful in diagnosis. Hemodialysis should be considered in severe intoxication. |

5. Fire Fighting Measures

Flash Pt: NE

Explosive Limits: LEL: N.E. UEL: N.E.

Autoignition Pt: NE

Suitable Extinguishing Media: For small fires, use carbon dioxide, dry chemical, dry sand, or alcohol-resistant foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn. Vapors may form explosive mixtures with air. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. May form explosive peroxides. Vapors are heavier than air and may travel to a source of ignition and flash back.

Flammable Properties and Hazards:

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled: Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Use water spray to dilute spill to a non-flammable mixture. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

7. Handling and Storage

Precautions To Be Taken in Handling: No special handling procedures are required. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only with adequate ventilation. Avoid breathing dust, mist, or vapor. Do not allow to evaporate to near dryness.

Precautions To Be Taken in Storing: No special storage requirements.

8. Exposure Controls/Personal Protection

| CAS # | Partial Chemical Name | OSHA TWA | ACGIH TWA | Other Limits |
|---|---|--------------|-------------------------------|--------------|
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | PEL: 400 ppm | TLV: 200 ppm STEL: 400 ppm | |
| Respiratory Equipment (Specify Type): | Respirator protection is not normally required. | | | |
| Eye Protection: | Safety glasses. | | | |
| Protective Gloves: | Protective garments not normally required. Wear appropriate gloves to prevent skin exposure. | | | |
| Other Protective Clothing: | Protective garments not normally required. Wear appropriate protective clothing to prevent skin exposure. | | | |
| Engineering Controls (Ventilation etc.): | There are no special ventilation requirements. Use explosion-proof ventilation equipment. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. | | | |

9. Physical and Chemical Properties

| | | | |
|---|------------------------------------|--------------|-----------|
| Physical States: | [] Gas | [X] Liquid | [] Solid |
| Appearance and Odor: | Clear blue liquid with butyl odor. | | |
| Freezing Point: | < 0.00 C | | |
| Boiling Point: | < 100.00 C | | |
| Decomposition Temperature: | NE | | |
| Autoignition Pt: | NE | | |
| Flash Pt: | NE | | |
| Explosive Limits: | LEL: N.E. | UEL: N.E. | |
| Specific Gravity (Water = 1): | 0.982 - 1.002 | at 25.0 C | |
| Vapor Pressure (vs. Air or mm Hg): | NA | | |
| Vapor Density (vs. Air = 1): | NA | | |
| Evaporation Rate: | > 1 (H2O=1) | | |
| Solubility in Water: | 100% | | |
| Saturated Vapor Concentration: | NE | | |
| Viscosity: | Water thin | | |
| pH: | 6.6 - 8.6 | | |
| Percent Volatile: | > 97.0 % by weight. | | |
| VOC / Volume: | < 5.0000 G/L | | |

10. Stability and Reactivity

| | | |
|---|--|----------------------|
| Stability: | Unstable [] | Stable [X] |
| Conditions To Avoid - Instability: | Light, ignition sources, Excess heat. | |
| Incompatibility - Materials To Avoid: | None. Strong acids. Incompatible with alkalis, sol carbonates, gold and silver salts, lead acetate, lime water, potassium iodide, potassium and sodium tartrate, sodium borate, tannin, vegetable astringent infusions and decoctions. Strong bases, Amines, Ammonia, ethylene oxide, isocyanates, acetaldehyde, chlorine, phosgene, Attacks some forms of plastics, rubbers, and coatings. aluminum at high temperatures. | |
| Hazardous Decomposition Or Byproducts: | None. Carbon monoxide. | |
| Possibility of Hazardous Reactions: | Will occur [] | Will not occur [X] |
| Conditions To Avoid - Hazardous Reactions: | | |

11. Toxicological Information

Toxicological Information: Epidemiology: No data available.
 Teratogenicity: No data available.
 Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies:

Carcinogenicity/Other Information: CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 67-63-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

| CAS # | Hazardous Components (Chemical Name) | NTP | IARC | ACGIH | OSHA |
|---------|---|------|------|-------|------|
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | n.a. | 3 | A4 | n.a. |

12. Ecological Information

General Ecological Information: Ecotoxicity: Fish: Fathead Minnow: 1000 ppm; 96h; LC50Daphnia: 1000 ppm; 96h; LC50Fish: Gold orfe: 8970-9280 ppm; 48h; LC50 IPA has a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to affect secondary waste treatment microbial metabolism, a low potential to affect the germination of some plants, a high potential to biodegrade (low persistence) with unacclimated microorganisms from activated sludge. Environmental: Not regulated under U.S. Department of Transportation regulations (29 CFR)
 Physical: THOD: 2.40 g oxygen/gCOD: 2.23 g oxygen/gBOD-5: 1.19-1.72 g oxygen/g.
 Other: No information available.

13. Disposal Considerations

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
 RCRA P-Series: None listed.
 RCRA U-Series: None listed.

14. Transport Information

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: CONSUMER COMMODITY, ORM-D.
DOT Hazard Class:
UN/NA Number:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

| CAS # | Hazardous Components (Chemical Name) | S. 302 (EHS) | S. 304 RQ | S. 313 (TRI) |
|---------|---|--------------|-----------|--------------|
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | No | No | Yes |

| CAS # | Hazardous Components (Chemical Name) | Other US EPA or State Lists |
|---------|---|---|
| 67-63-0 | Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol} | CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No |

16. Other Information

Revision Date: 01/11/2015
Preparer Name: Regulatory Affairs

Hazard Rating System:

| | | |
|---------------------|--|----------|
| HEALTH | | 1 |
| FLAMMABILITY | | 0 |
| REACTIVITY | | 0 |
| PPE | | A |

HMIS:

**Additional Information About
This Product:**

**Company Policy or
Disclaimer:**

The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.