

1. IDENTIFICATION

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|----------------------------|---|
| Product Name | Comet® Disinfecting Cleaner with Bleach - Ready to Use |
| Product Code(s) | 3-40 |
| Product ID: | 92381809_PROF_NG |
| Product Type: | Finished Product - Professional Use Only |
| Recommended Use | Disinfectant |
| Restrictions on Use | Do not mix with other cleaning products or chemicals as irritating fumes may be formed. |
| Manufacturer | Procter & Gamble Professional 2 P&G Plaza Cincinnati, Ohio 45202 Procter & Gamble Inc. P.O. Box 355, Station A Toronto, ON M5W 1C5 1-800-332-7787 |
| E-mail Address | pgsds.im@pg.com |
| Emergency Telephone | Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 800-681-9531 |

2. HAZARD IDENTIFICATION

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:.

| | |
|--------------------------------|---|
| Hazard Category | |
| Eye Damage / Irritation | Category 2B |
| Corrosive to metals | Category 1 |
| Signal Word | WARNING |
| Hazard Statements | Causes eye irritation May be corrosive to metals |

Hazard pictograms



Precautionary Statements - Prevention Wash hands thoroughly after handling
 Keep only in original container
 Do not mix with other cleaning products or chemicals as irritating fumes may be formed

Precautionary Statements - Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF SWALLOWED:
 Drink 1 or 2 glasses of water
 Absorb spillage to prevent material damage

Precautionary Statements - Storage Store in corrosive resistant container

Precautionary Statements - Disposal Dispose of contents/container in accordance with local regulation

Hazards not otherwise classified (HNOC) None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients are listed according to 29CFR 1910.1200 Appendix D and the Canadian Hazardous Products Regulation

| Chemical Name | Synonyms | Trade Secret | CAS-No | Weight % |
|---|----------|--------------|-----------|----------|
| Sulfuric acid, monoethyl ester, sodium salt (1:1) | - | No | 142-31-4 | 1 - 5 |
| Sulfuric acid monododecyl ester sodium salt (1:1) | - | No | 151-21-3 | 1 - 5 |
| Sodium hypochlorite | - | No | 7681-52-9 | 1 - 5 |

4. FIRST AID MEASURES

First aid measures for different exposure routes

Eye contact Rinse with plenty of water. Get medical attention immediately if irritation persists.

Skin contact Rinse with plenty of water. Get medical attention if irritation develops and persists.

Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

Inhalation Move to fresh air. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed None under normal use conditions.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Dry chemical, CO₂, alcohol-resistant foam or water spray.

Unsuitable Extinguishing Media None.

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|---|--|
| Special hazard | None known. |
| Special protective equipment for fire-fighters | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |
| Specific hazards arising from the chemical | None. |

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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|--|---|
| Personal precautions | Use personal protective equipment. Do not get in eyes, on skin, or on clothing. |
| Advice for emergency responders | Use personal protective equipment as required. |

Methods and materials for containment and cleaning up

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|--------------------------------|---|
| Methods for containment | Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. |
| Methods for cleaning up | Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). |

7. HANDLING AND STORAGE

Precautions for safe handling

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|--------------------------------|---|
| Advice on safe handling | Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children. |
|--------------------------------|---|

Conditions for safe storage, including any incompatibilities

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|------------------------------|--|
| Storage Conditions | Keep containers tightly closed in a dry, cool and well-ventilated place. Store in corrosive resistant container. |
| Incompatible products | Do not mix with other cleaning products or chemicals as irritating fumes may be formed. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

| | |
|----------------------------|---|
| Exposure Guidelines | No exposure limits noted for ingredient(s). |
|----------------------------|---|

Exposure controls

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|-----------------------------|---|
| Engineering Measures | Distribution, Workplace and Household Settings: Ensure adequate ventilation Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction |
|-----------------------------|---|

Personal Protective Equipment

| | |
|-----------------------|--|
| Eye Protection | Distribution, Workplace and Household Settings: |
|-----------------------|--|

No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
Use appropriate eye protection

Hand Protection

Distribution, Workplace and Household Settings:
No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
Protective gloves

Skin and Body Protection

Distribution, Workplace and Household Settings:
No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
Wear suitable protective clothing

Respiratory Protection

Distribution, Workplace and Household Settings:
No special protective equipment required

Product Manufacturing Plant (needed at Product-Producing Plant ONLY):
In case of insufficient ventilation wear suitable respiratory equipment

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C liquid
Appearance clear light yellow
Odor Scented
Odor threshold No information available

| Property | Values | Note |
|---|-----------------------------------|------|
| pH value | 12.6 - 13.4 | |
| Melting/freezing point | No information available | |
| Boiling point/boiling range | No information available | |
| Flash point | > 93.3 °C / > 200 °F | |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limits in Air | | |
| Upper flammability limit | No information available | |
| Lower Flammability Limit | No information available | |
| Vapor pressure | No information available | |
| Vapor density | No information available | |
| Relative density | 1.045 | |
| Water solubility | 100% | |
| Solubility in other solvents | No information available | |
| Partition coefficient: n-octanol/water | No information available | |
| Autoignition temperature | No information available | . |
| Decomposition temperature | No information available | . |
| Viscosity of Product | No information available < 10 cps | |

Oxidizing properties These substances will accelerate burning when involved in a fire.
VOC Content (%) Products comply with US state and federal regulations for VOC content in consumer products.

10. STABILITY AND REACTIVITY

Reactivity None under normal use conditions.

| | |
|---|---|
| Stability | Stable under normal conditions. |
| Hazardous polymerization | Hazardous polymerization does not occur. |
| Hazardous Reactions | None under normal processing. |
| Conditions to Avoid | None under normal processing. |
| Materials to avoid | Do not mix with other cleaning products or chemicals as irritating fumes may be formed. |
| Hazardous Decomposition Products | None under normal use. |

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure

| | |
|---------------------|---------------------|
| Inhalation | No known effect. |
| Skin contact | No known effect. |
| Ingestion | No known effect. |
| Eye contact | Irritating to eyes. |

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

| | |
|--|---------------------|
| Acute toxicity | No known effect. |
| Skin corrosion/irritation | No known effect. |
| Serious eye damage/eye irritation | Irritating to eyes. |
| Skin sensitization | No known effect. |
| Respiratory sensitization | No known effect. |
| Germ cell mutagenicity | No known effect. |
| Neurological Effects | No known effect. |
| Reproductive toxicity | No known effect. |
| Developmental toxicity | No known effect. |
| Teratogenicity | No known effect. |
| STOT - single exposure | No known effect. |
| STOT - repeated exposure | No known effect. |
| Target Organ Effects | No known effect. |
| Aspiration hazard | No known effect. |
| Carcinogenicity | No known effect. |

Component Information

| Chemical Name | CAS-No | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|-----------|--|--|---|
| Sulfuric acid monododecyl ester sodium salt (1:1) | 151-21-3 | 977 mg/kg bw (OECD 401; rat) | > 500 mg/kg bw (Read across data C10-16ASO4, NH4; guideline: Standard Procedure #10; fixed dose procedure; rabbit; based on active ingredient) | - |
| Sodium hypochlorite | 7681-52-9 | 626 mg/kg bw (Similar to OECD 401; standard acute method; rat) | > 20000 mg/kg bw (Guideline: 16 CFR 1500.40 and similar to OECD 402; rabbit) | > 10.5 mg/L air (Similar to OECD 403; rat; 1 h) |

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic organisms.

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Mobility No information available.
Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste from Residues / Unused Products Products covered by this MSDS, in their original form, when disposed as waste, are corrosive hazardous waste, D002, according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations.

Contaminated packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Codes (non-household setting) 331

14. TRANSPORT INFORMATION

DOT

UN no UN1760
UN Proper shipping name Corrosive liquid, n.o.s
Description UN1760, Corrosive liquid, n.o.s (Sodium hypochlorite, Sodium hydroxide), 8, III
Hazard Class 8
Packing Group III
Special Provisions IB3, T7, TP1, TP28
Emergency Response Guide Number 154

IMDG

UN Number UN1760
UN Proper shipping name Corrosive liquid, n.o.s.
Description UN1760, Corrosive liquid, n.o.s. (Sodium hypochlorite, Sodium hydroxide), 8, III
Transport hazard class(es) 8
Packing Group III
Environmental Hazards Marine pollutant
Special precautions for user 274, 223
EmS-No F-A, S-B

IATA

UN no UN1760
UN Proper shipping name Corrosive liquid, n.o.s.
Description UN1760, Corrosive liquid, n.o.s. (Sodium hypochlorite, Sodium hydroxide), 8, III
Hazard Class 8
Packing Group III
ERG Code 8L
Special precautions for user A3, A803

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

| Chemical Name | CAS-No | Hazardous Substances RQs | Extremely Hazardous Substances RQs | CERCLA/SARA 302 TPQ |
|---------------------|-----------|--------------------------|------------------------------------|---------------------|
| Sodium hypochlorite | 7681-52-9 | 100 lb | - | |
| Sodium hydroxide | 1310-73-2 | 1000 lb | - | |

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

| Chemical Name | CAS-No | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------|-----------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hypochlorite | 7681-52-9 | 100 lb | - | - | X |
| Sodium hydroxide | 1310-73-2 | 1000 lb | - | - | X |

California Proposition 65

This product is not subject to warning labeling under California Proposition 65.

U.S. State Regulations (RTK)

| Chemical Name | CAS-No | New Jersey |
|---------------------|-----------|------------|
| Sodium hypochlorite | 7681-52-9 | X |

| Chemical Name | CAS-No | Massachusetts |
|---------------------|-----------|---------------|
| Sodium hypochlorite | 7681-52-9 | X |

| Chemical Name | CAS-No | Pennsylvania |
|---------------------|-----------|--------------|
| Sodium hypochlorite | 7681-52-9 | X |
| Sodium hydroxide | 1310-73-2 | X |

| Chemical Name | CAS-No | Rhode Island |
|---------------------|-----------|--------------|
| Sodium hypochlorite | 7681-52-9 | X |

International Inventories

United States

All intentionally-added components of this product(s) are listed on the US TSCA Inventory.

Canada

This product is in compliance with CEPA for import by P&G.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

CEPA - Canadian Environmental Protection Act

FIFRA

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

EPA Registration number: 3573-77
CAUTION

HARMFUL IF ABSORBED THROUGH SKIN
Causes moderate eye irritation

16. OTHER INFORMATION

HMIS Ratings

| | |
|-----------------|---|
| Health hazard | 2 |
| Flammability | 1 |
| Physical hazard | 0 |

NFPA Ratings

| | |
|---------------|---|
| Health hazard | 2 |
| Flammability | 1 |
| Instability | 0 |

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS