# Safety Data Sheet

Fiche de données de sécurité

Report No.: MTi240528004-01A1

Date of issue: Jun. 20, 2024

| | |
|---|---|
| Sample Name:<br>Nom de l'échantillon: | Alkaline Zinc-Manganese Battery |
| Model:<br>Modèle: | LR6 |
| Applicant:<br>Candidat: | Fujian Nanping Nanfu New Energy Co.,ltd. |
| Address:<br>Address: | 109# Industry Road, Yanpin District, Nanping City, Fujian Province, P.R.China |

Shenzhen Microtest Co., Ltd.
http://www.mtitest.com

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** The SDS is prepared based on the information provided by client. The contents and formats of this SDS are revised as per client's request.*
** la FDS est préparée en fonction des informations fournies par le client. Le contenu et les formats de cette FDS sont révisés selon la demande du client.*

## Section 1- Identification
Section 1- Identification

**(a) Product identifier**
**(a) identifiant du produit**

| | |
|---|---|
| Product name<br>Nom du produit | Alkaline Zinc-Manganese Battery |

**(b) Other means of identification**
**(b)autres moyens d'identification**

| | |
|---|---|
| Product description<br>Description du produit | ModelModèle:LR6 |

**(c) Recommended use of the chemical and restrictions on use**
**(c) utilisation recommandée du produit chimique et restrictions d'utilisation**

| | |
|---|---|
| Recommendeduse<br>Utilisation recommandée | Mercury free Battery |
| Uses advised against<br>Utilisations déconseillées | No information available. |

**(d) Details of the supplier of the safety data sheet**
**(d) Détails du fournisseur de la fiche de données de sécurité**

| | |
|---|---|
| Supplier Name<br>Nom du fournisseur | Fujian Nanping Nanfu New Energy Co.,ltd. |
| Supplier Address<br>Adresse du fournisseur | 109# Industry Road, Yanpin District, Nanping City, Fujian Province, P.R.China |
| Manufacture Company<br>Société de fabrication | Fujian Nanping Nanfu New Energy Co.,ltd. |
| Manufacture Address<br>Adresse de la fabrication | 109# Industry Road, Yanpin District, Nanping City, Fujian Province, P.R.China |
| Supplier Phone Number<br>Numéro de téléphone du fournisseur | +86 13392837729 |

**(e) Emergency telephone numberD**
**(e) Numéro de téléphone d'urgence**

+86 13392837729

## Section 2- Hazards Identification
Section 2- Identification des dangers

Emergency overview: This product is a battery. Intended use of the product should not result in exposure to the chemical substance. In case of rupture the below hazards exist.
Aperçu d'urgence: ce produit est une batterie. L'utilisation prévue du produit ne devrait pas entraîner d'exposition à la substance chimique. En cas de rupture, les risques ci-dessous existent.

| | |
|---|---|
| Skin corrosion/irritation<br>Corrosion /irritation de la peau | Category 2 |
| Serious eye damage/eye irritation<br>Lésions oculaires graves/irritation oculaire | Category 2A |
| Acute toxicity, oral<br>Toxicité aiguë, orale | Category 4 |
| Hazardous to the aquatic environment, long-term hazard<br>Dangereux pour le milieu aquatique, danger à long terme | Category 2 |

| | |
|---|---|
| Specific target organ toxicity, single exposure; Respiratory tract irritation<br>Toxicité spécifique pour l'organe cible, exposition unique; Irritation des voies respiratoires | Category 3 |

**(b) GHS Label elements, including precautionary statements**
**(b)Éléments de l'étiquette GHS, y compris les énoncés de précaution**

Emergency Overview
Aperçu des urgences

| | |
|---|---|
| **Signal word**<br>**Mot de Signal** | Warning |

**Hazard Statements Énoncés de danger**

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

H411 Toxic to aquatic life with long lasting effects

H302 nocif en cas d'ingestion

H315 provoque une irritation de la peau

H319 provoque une grave irritation des yeux

H335 peut causer une irritation respiratoire

H411 toxique pour les organismes aquatiques, ayant des effets à long terme



**Appearance**Appearance: No information available Aucune information disponible

**Physical State**État physique: Solid Solide **Odor**odeur: No information available Aucune information disponible

| | |
|---|---|
| **Precautionary Statements-Prevention**<br>**Déclarations de précaution — prévention** | P261 Avoid breathing dust, fume, gas, mist, vapours, spray.<br>P264 Wash skin and clothing thoroughly after handling.<br>P270 Do not eat, drink or smoke when using this product.<br>P271 Use only outdoors or in a well-ventilated area.<br>P273 Avoid release to the environment. P280 Wear protective gloves, protective clothing, eye protection, face protection.<br>P261 éviter de respirer la poussière, les fumées, les gaz, les brumes, les vapeurs, les pulvérisations.<br>P264 laver soigneusement la peau et les vêtements après manipulation.<br>P270 ne pas manger, boire ou fumer lors de l'utilisation de ce produit.<br>P271 utiliser uniquement à l'extérieur ou dans un endroit bien aéré.<br>P273 éviter le rejet dans l'environnement. P280 porter des gants de protection, des vêtements de protection, une protection des yeux, une protection du visage. |
| **Precautionary Statements-Response**<br>**Déclarations de précaution — réponse** | P301+P312 IF SWALLOWED: Call a POISON CENTER if you feel unwell. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty water. P321 Specific treatment (See additional emergency instructions). |

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| | |
|---|---|
| | P333 + P313 If skin irritation or rash occurs: Get medical advice.<br>P362 + P364 Take off contaminated clothing and wash it before reuse. P305+P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337 + P313 If eye irritation persists: Get medical advice.<br>P304+ P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P312 Call a POISON CENTER, if you feel unwell.<br>P391 Collect spillage.<br>P301+P312 en cas d'ingestion: appelez un centre anti-poison si vous ne vous sentez pas bien. P330 rincer la bouche. P302+P352 si sur la peau: laver abondamment à l'eau. P321 traitement spécifique (voir les instructions d'urgence supplémentaires).<br>P333 + P313 en cas d'irritation ou d'éruption cutanée: consulter un médecin.<br>P362 + P364 enlever les vêtements contaminés et les laver avant de les réutiliser. P305+P351 +P338 si dans les yeux: rincer prudemment à l'eau pendant plusieurs minutes. Retirer les lentilles de contact, si elles sont présentes et faciles à faire. Continuer le rinçage.<br>P337 + P313 si l'irritation oculaire persiste: consulter un médecin.<br>P304+ P340 en cas d'inhalation: mettre la personne à l'air frais et la maintenir à l'aise pour respirer.<br>P312 appelez un centre anti-poison si vous ne vous sentez pas bien.<br>P391 recueillir les déversements. |
| **Storage**<br>**stockage** | P403+P233 Store in a well-ventilated place. Keep container tightly closed.<br>P405 Store locked up.<br>P403+P233 stocker dans un endroit bien ventilé. Garder le récipient bien fermé.<br>P405 magasin enfermé. |
| **Disposal**<br>**Élimination** | P501 Send contents to approved waste treatment plants<br>P501 envoyer le contenu aux usines de traitement des déchets agréées. |
| **Other hazards**<br>**Autres dangers** | Physical and chemical hazards: See Section 10<br>Human health hazards: See Section 11<br>Environmental hazards: See Section 12<br>Dangers physiques et chimiques: voir la Section 10<br>Dangers pour la santé humaine: voir la Section 11<br>Dangers pour l'environnement: voir la Section 12 |

## Section 3- Composition/Information On Ingredients
Section 3- Composition/ informations sur les ingrédients

| Nom chimique | CAS Number | % en poids | Date de dépôt LCRMD et date de la dérogation accordée (s'il y a lieu) |
|---|---|---|---|
| Manganese dioxide | 1313-13-9 | 40 | -- |
| 1,2-Propanediolcyclic carbonate | 7440-66-6 | 18 | -- |

| | | | |
|---|---|---|---|
| Potassium hydroxide | 1310-58-3 | 10 | -- |
| Graphite | 7782-42-5 | 4.5 | -- |
| Iron | 7439-89-6 | 20 | -- |
| brass | 12597-71-6 | 5 | -- |
| Zinc oxide | 1314-13-2 | 2 | -- |
| Nickel | 7440-02-0 | 0.5 | -- |

“ * ” The exact percentage (concentration) of composition has been withheld as a trade secret.
"*" le pourcentage exact (concentration) de la composition a été retenu comme secret professionnel.

## Section 4- First-aid Measures

### Description of first aid measures

**Description des mesures de premiers secours**

### After eye contact

**Après le contact visuel**

Flush eyes with plenty of water for several minutes while holding eyelids open. Get medical attention ifrritation persists.

Rincer abondamment les yeux à l’eau pendant plusieurs minutes tout en maintenant les paupières ouvertes. Obtenez des soins médicaux si votre ritation persiste.

### After skin contact

**Après contact avec la peau**

Remove contaminated clothing and shoes. Immediately wash with water and soap and rinse thoroughly. Wash clothing and shoes before reuse. If irritation occurs, get medical attention.

Enlever les vêtements et les chaussures contaminés. Laver immédiatement avec de l’eau et du savon et rincer abondamment. Lavez les vêtements et les chaussures avant de les réutiliser. En cas d’irritation, consulter un médecin.

### After inhalation

**Après inhalation**

Remove victim to fresh area. Administer artificial respiration if breathing is difficult. Seek medical attention.

Enlevez la victime à la zone fraîche. Administrer la respiration artificielle si la respiration est difficile. Consultez un médecin.

### After swallowing

### Après avoir avalé

Do not induce vomiting. Get medical attention.

Ne pas faire vomir. Obtenez des soins médicaux.

Personal protective equipment for first-aid responders: No data available.Most important symptoms/effects, acute and delayed: No data available.Indication of immediate medical attention and special treatment needed: Treat symptomatically.

Equipement de protection individuelle pour les secouristes: aucune donnée disponible. Symptômes/effets les plus importants, aigus et retardés: aucune donnée disponible. Indication d’une attention médicale immédiate et d’un traitement spécial nécessaire: traiter symptomatiquement.

## Section 5- Fire-fighting measures

Section 5- mesures de lutte contre l’incendie

### Suitable extinguishing media:

Médias d’extinction appropriés:

Use extinguishing agent suitable for local conditions and the surrounding environment. Such as dry powder, CO2.

Utiliser un agent extincteur adapté aux conditions locales et à l’environnement environnant. Comme la poudre sèche, CO2.

### Unsuitable extinguishing media:

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Milieux d'extinction inappropriés:

No data available.

Pas de données disponibles.

**Specific Hazards arising from the chemical:**

Risques spécifiques liés à la substance chimique:

Special hazards arising from the substance or mixtureBattery may burst and release hazardous decomposition products when exposed to a fire situation. Some may burn but none ignite readily. Containers may explode when heated. Some may be transported hot.

Les risques particuliers découlant de la substance ou de la batterie de mélange peuvent éclater et libérer des produits de décomposition dangereux en cas d'incendie. Certains peuvent brûler mais aucun ne s'enflamme facilement. Les contenants peuvent exploser lorsqu'ils sont chauffés. Certains peuvent être transportés chauds.

**Specific protective actions for fire-fighters:**

Actions de protection spécifiques pour les pompiers:

Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

Équipement de protection: porter un respirateur autonome. Portez une combinaison imperméable entièrement protectrice.

## Section 6- Accidental Release Measures

Section 6- mesures de rejet accidentel

**Personal precautions:**

Précautions personnelles:

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation

Portez un équipement de protection. Éloignez les personnes non protégées. Assurer une ventilation adéquate

**Protective equipment:**

Equipement de protection:

No data available.

Pas de données disponibles.

**Emergency procedures:**

Procédures d'urgence:

Remove ignition sources, evacuate area. Sweep up using a method that does not generate dust. Collect as much of the spilled material as possible, placed the spilled material into a suitable disposalcontainer. Keep spilled material out of sewers, ditches and bodies of water.

Retirer les sources d'inflammation, évacuer la zone. Balayer en utilisant une méthode qui ne génère pas de poussière. Recueillir le plus de matières déversées possible et placer les matières déversées dans un contenant d'élimination approprié. Garder les déversements hors des égouts, des fossés et des plans d'eau.

**Environmental precautions:**

Précautions environnementales:

Do not allow material to be released to the environment without proper governmental permits.

Ne permettez pas que des matières soient rejetées dans l'environnement sans les permis gouvernementaux appropriés.

**Methods and materials for containment and cleaning up:**

Méthodes et matériaux de confinement et de nettoyage:

For all waste handing must refer to United Nations, National and Local Regulations for disposal.

Pour tout le traitement des déchets doit se référer aux Nations unies, réglementations nationales et locales pour l'élimination.

See Section 7 for information on safe handling.

Voir la Section 7 pour obtenir des renseignements sur la manipulation sécuritaire.

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See Section 8 for information on personal protection equipment.

Voir la Section 8 pour obtenir des renseignements sur l'équipement de protection individuelle.

See Section 13 for disposal information.

Voir la Section 13 pour obtenir des renseignements sur l'aliénation.

## Section 7- Handling and Storage

Section 7- manutention et entreposage

### Precautions for safe handling:

**Précautions pour une manipulation sûre:**

Avoid short circuiting the battery. Avoid mechanical damage of the battery. Do not open or disassemble. Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity. Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Prevent concentration in hollows and sumps.

Évitez de court-circuiter la batterie. Évitez les dommages mécaniques de la batterie. Ne pas ouvrir ou démonter. Les piles peuvent exploser ou causer des brûlures si elles sont démontées, écrasées ou exposées au feu ou à des températures élevées. Ne pas raccourcir ou installer avec une polarité incorrecte. Évitez tout contact personnel, y compris l'inhalation. Portez des vêtements de protection en cas de risque d'exposition. Utilisation dans un endroit bien ventilé. Prévenir la concentration dans les creux et les puisards.

### Conditions for safe storage, including any incompatibilities:

**Conditions de stockage en toute sécurité, y compris les incompatibilités éventuelles:**

Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the long time of sunlight.

Conserver dans un endroit frais, sec et bien ventilé. Tenir à l'écart de la chaleur, en évitant la longue période de lumière du soleil.

## Section 8- Exposure Controls/Personal Protection

Section 8- contrôle de l'exposition/Protection individuelle

### Control parameters

**(a) Paramètres de contrôle**

| CAS No. | ACGIH | NIOSH | OSHA |
|---|---|---|---|
| 1313-13-9 | N/A | N/A | N/A |
| 7440-66-6 | N/A | N/A | N/A |
| 7439-89-6 | N/A | N/A | N/A |
| 1310-58-3 | TLV-Peak 2mg/m3 | REL-Peak 2mg/m3 | N/A |
| 12597-71-6 | N/A | N/A | N/A |
| 1314-13-2 | N/A | N/A | N/A |
| 7440-02-0 | N/A | N/A | N/A |
| 7782-42-5 | N/A | N/A | PEL-TWA 2mg/m3 |

### Appropriate engineering controls:

**Contrôles techniques appropriés:**

The usual precautionary measures for handling chemicals should be followed.

**Les mesures de précaution habituelles pour la manipulation des produits chimiques doivent être suivies.**

Keep away from foodstuffs, beverages and feed.

**Conserver à l'écart des aliments, des boissons et des aliments pour animaux.**

Remove all soiled and contaminated clothing immediately.

**Enlever immédiatement tous les vêtements souillés et contaminés.**

Wash hands before breaks and at the end of work.

**Se laver les mains avant les pauses et à la fin du travail.**

### Personal Protective Equipment:

**Equipement de protection individuelle:**

### Respiratory protection:

**Protection respiratoire:**

Wear suitable protective mask. For a large large number of battery leakages, wear chemical protective clothing, including self-contained breathing apparatus.

**Portez un masque de protection approprié. Pour un grand nombre de fuites de batterie, portez des vêtements de protection chimique, y compris des appareils respiratoires autonomes.**

### Hand Protection:

**Protection des mains:**

Wear appropriate protective gloves to reduce skin contact. Eye Protection: Wear safety goggles or eye protection combined with respiratory protection.

**Portez des gants de protection appropriés pour réduire le contact avec la peau. Protection des yeux: porter des lunettes de sécurité ou une Protection des yeux combinée à une Protection respiratoire.**

### Eye Protection:

**Protection des yeux:**

Wear safety goggles or eye protection combined with respiratory protection.

**Portez des lunettes de sécurité ou une protection oculaire combinée à une protection respiratoire.**

### Skin and Body Protection:

**Protection de la peau et du corps:**

Working environment required, wear suitable protective clothing to minimize contact with skin. The type of protective equipment must be according to the concentration and the content of certain hazardous substances in the workplace.

**Environnement de travail requis, portez des vêtements de protection appropriés pour minimiser le contact avec la peau. Le type d'équipement de protection doit être fonction de la concentration et de la teneur de certaines substances dangereuses sur le lieu de travail.**

## Section 9- Physical and Chemical Properties

Section 9 — propriétés physiques et chimiques

| | |
|---|---|
| **Physical State** État physique | Cylindrical. **Cylindrique.** |
| **Color** La couleur | Silver and blue. **Argent et bleu.** |
| **Odor** Odeur | No available **Non disponible** |
| **pH** Le pH | No available **Non disponible** |
| **Melting point/freezing point** Point de fusion/point de congélation | No available **Non disponible** |
| **Boiling Point and Boiling range** Point d'ébullition et plage d'ébullition | No available **Non disponible** |
| **Flash Point** Point d'éclair | No available **Non disponible** |
| **Flammability** Inflammabilité | No available **Non disponible** |
| **Solubility** Solubilité | No available **Non disponible** |

| | |
|---|---|
| **Lower and upper explosion limit/flammability limit** Limite inférieure et supérieure d'explosion/limite d'inflammabilité | No available Non disponible |
| **Auto-ignition temperature:** Température d'auto-allumage: | No available Non disponible |
| **Decomposition temperature:** Température de décomposition: | No available Non disponible |
| **Kinematic viscosity:** Viscosité cinématique: | No available Non disponible |
| **Partition coefficient:n-octanol/water (log value):** Coefficient de partage :n-octanol/ eau (valeur log): | No available Non disponible |
| **Vapour pressure:** Pression de vapeur: | No available Non disponible |
| **Density and/or relative density:** Densité et/ou densité relative: | No available Non disponible |
| **Relative vapour density:** Densité de vapeur Relative: | No available Non disponible |
| **Particle characteristics:** Caractéristiques des particules: | No available Non disponible |
| **Other information:Voltage** Autres informations: tension | 1.5V |
| **Electric capacity** Capacité électrique | 3020mAh |

## Section 10- Stability and reactivity

Section 10- stabilité et réactivité

| | |
|---|---|
| **Reactivity** Réactivité | No data available. Pas de données disponibles. |
| **Chemical stability** Stabilité chimique | Stable. Stable. |
| **Possibility of Hazardous Reactions** Possibilité de réactions dangereuses | No data available.. Pas de données disponibles. |
| **Hazardous Polymerization** Polymérisation dangereuse | Hazardous polymerization does not occur. Il n'y a pas de polymérisation dangereuse. |
| **Conditions to avoid** Conditions à éviter | Flames, sparks, and other sources of ignition, incompatible materials. Flammes, étincelles et autres sources d'inflammation, matières incompatibles. |
| **Incompatible materials** Matériaux incompatibles | Oxidizing agents, acid base. Agents oxydants, base acide. |
| **Hazardous Decomposition Products** Produits de décomposition dangereux | Carbon monoxide, carbon dioxide. Monoxyde de carbone, dioxyde de carbone. |

## Section 11 – Toxicological Information

Section 11 - informations toxicologiques

Acute Toxicity:Toxicité aiguë:

| **CAS No.** | LC50/LD50 |
|---|---|
| 1313-13-9 | No data available. Pas de données disponibles. |
| 7440-66-6 | LD50 Rat (oral): >2000mg/kg DI50 Rat (par voie orale): >2000mg/kg |

| | |
|---|---|
| 7439-89-6 | No data available. Pas de données disponibles. |
| 1310-58-3 | LD50 Rat (oral): 284mg/kg DI50 pour le Rat (par voie orale): 284mg/kg |
| 7782-42-5 | No data available. Pas de données disponibles. |
| 12597-71-6 | No data available. Pas de données disponibles. |
| 1314-13-2 | No data available. Pas de données disponibles. |
| 7440-02-0 | No data available. Pas de données disponibles. |
| **Skin corrosion/irritation:** **Corrosion /irritation de la peau:** | No data available. Pas de données disponibles. |
| **Serious eye damage/irritation:** **Lésions oculaires graves /irritation:** | No data available. Pas de données disponibles. |
| **Respiratory or Skin sensitization:** **Sensibilisation respiratoire ou cutanée:** | No data available. Pas de données disponibles. |
| **Germ Cell mutagenicity:** **Mutagénicité des cellules germinales:** | No data available. Pas de données disponibles. |
| **Carcinogenicity:** **Carcinogénicité:** | No data available. Pas de données disponibles. |
| **Reproductive toxicity:** **Toxicité pour la reproduction:** | No data available. Pas de données disponibles. |
| **Specific target organ toxicity-Single exposure:** **Toxicité spécifique de l'organe cible — exposition unique:** | No data available. Pas de données disponibles. |
| **Specific target organ toxicity-Repeated exposure:** **Toxicité spécifique de l'organe cible — exposition répétée:** | No data available. Pas de données disponibles. |
| **Respiratory or Skin sensitization:** **Sensibilisation respiratoire ou cutanée:** | No data available. Pas de données disponibles. |
| **Information on the likely routes of exposure:** **Informations sur les voies d'exposition probables:.** | No data available. Pas de données disponibles. |
| **Eye:** **Oeil:** | No data available. Pas de données disponibles. |
| **Skin:** **Skin:** | No data available. Pas de données disponibles. |
| **Ingestion:** **Ingestion:** | No data available. Pas de données disponibles. |
| **Inhalation** **Inhalation** | No data available. Pas de données disponibles. |
| **Aspiration Hazard** **Risque d'aspiration** | No data available. Pas de données disponibles. |
| **Section 12- Ecological Information** Section 12- renseignements écologiques | |
| **Ecological Toxicity** **Toxicité écologique** | No information available. Aucune information disponible. |
| **Persistence and Degradability** **Persistance et dégradabilité** | No information available. Aucune information disponible. |

| | |
|---|---|
| **Bioaccumulation**<br>**Bioaccumulation** | No information available.<br>Aucune information disponible. |
| **Mobility in Soil**<br>**Mobilité dans le sol** | No information available.<br>Aucune information disponible. |
| **Other adverse effects**<br>**Autres effets indésirables** | No information available.<br>Aucune information disponible. |

## Section 13- Disposal Considerations
Section 13- considérations relatives à l'aliénation

**Waste treatment methods**
**Méthodes de traitement des déchets**

| | |
|---|---|
| **Disposal methods**<br>**Méthodes d'élimination** | Recommendation:Consult state, local or national regulations to ensure proper disposal.<br>Recommandation: consulter les règlements des états, locaux ou nationaux pour assurer une élimination appropriée. |
| **Uncleaned packaging**<br>**Emballage non nettoyé** | Recommendation: Disposal must be made according to official regulations.<br>Recommandation: l'élimination doit être faite conformément à la réglementation officielle. |

## 14 –Transport Information
Informations sur le Transport

| | |
|---|---|
| **UN or ID Number**<br>**UN ou numéro d'identification**<br>**IATA, IMDG** | N/A |
| **Proper Shipping Name/Description**<br>**Nom d'expédition approprié /Description**<br>**IATA, IMDG** | N/A |
| **Class or Div. (Sub Hazard)**<br>**Classe ou Div. (sous-risque)**<br>**IATA, IMDG** | Not Subjected for transport of dangerous goods<br>**Non soumis au transport de marchandises dangereuses** |
| **Packing Group**<br>**Groupe d'emballage**<br>**IATA, IMDG** | N/A |
| **Hazard Label**<br>**Étiquette de danger**<br>**IATA, IMDG** | N/A |
| **Environmental hazardsMarine pollutant:**<br>**Risques pour l'environnementpolluant:** | No |
| **Special precautions for user**<br>**Précautions particulières pour l'utilisateur** | No information available.<br>**Aucune information disponible.** |

**Transport information: Alkaline Zinc-Manganese Battery LR6 is exempt from dangerous goods.**

It is considered non-dangerous goods by the International Civil Aviation Organization (ICAO), the International Air Transport Association (IATA) DGR 65h, IATA Special Provisions A123,International Martine Dangerous Goods Regulations (IMDG) (41-22), IMDG Special Provisions 963,.

Informations de Transport: pile alcaline de zinc et manganèse LR6 est exempté de marchandises dangereuses.

Il est considéré comme des marchandises non dangereuses par l'organisation de l'aviation civile internationale (oaci), l'association du Transport aérien International (IATA) DGR 65h, IATA dispositions spéciales A123,Règlement International Martine sur les marchandises dangereuses (IMDG) (41-22), dispositions spéciales IMDG 963,.

This test report is valid for the tested samples only. It cannot be reproduced except in full without prior written consent of Shenzhen Microtest Co., Ltd.
Tel:(86-755)88850135 Fax: (86-755) 88850136 Web:http: //www.mtitest.com E-mail: mti@51mti.com
Add: 101, No. 7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao 'an District, Shenzhen, Guangdong, China.

**S.P.A123** This entry applies to Batteries, electric storage, not otherwise listed in Subsection 4.2-List of Dangerous Goods. Examples of such batteries are: alkali-manganese, zinc-carbon and nickel-cadmium batteries. Any electrical battery or battery powered device, equipment or vehicle having the potential of a dangerous evolution of heat must be prepared for transport so as to prevent(a) a short-circuit (e.g. in the case of batteries, by the effective insulation of exposed terminals; or, in the case of equipment, by disconnection of the battery and protection of exposed terminals); and(b) accidental activation

The words "Not Restricted" and the Special Provision number must be included in the description of the substance on the Air Waybill as required by 8.2.6, when an Air Waybill is issued.

**S.P.A123** cette rubrique s'applique aux Batteries, au stockage électrique, qui ne figurent pas ailleurs dans la sous-section 4.2 — liste des marchandises dangereuses. Des exemples de ces piles sont les piles alcali-manganèse, zinc-carbone et nickel-cadmium. Toute batterie électrique ou tout dispositif, équipement ou véhicule alimenté par des piles présentant un risque d'échauffement dangereux doit être préparé pour le transport de manière à éviter: a) un court-circuit (par exemple, dans le cas des batteries, par l'isolation efficace des bornes exposées); Ou, dans le cas d'un équipement, par la déconnexion de la batterie et la protection des bornes exposées); Et (b) activation accidentelle

Les mots «sans restriction» et le numéro de la disposition spéciale doivent être inclus dans la description de la substance sur le connaissement aérien, comme l'exige l'article 8.2.6, lorsqu'un connaissement aérien est délivré.

| | |
|---|---|
| **Transport Fashion:**<br>Mode de Transport: | By air, by sea.<br>par avion, par la mer. |

## Section 15- Regulatory information
Article 15- renseignements réglementaires

| CAS No. | TSCA | IECSC | DSL/NDSL | EINECS/ ELINCS/ NLP |
|---|---|---|---|---|
| 1313-13-9 | Listed listé | Listed listé | Listed DSL listé DSL | Listed listé |
| 7440-66-6 | Listed listé | Listed listé | Listed DSL listé DSL | Listed listé |
| 7439-89-6 | Listed listé | Listed listé | Listed DSL listé DSL | Listed listé |
| 1310-58-3 | Listed listé | Listed listé | Listed DSL listé DSL | Listed listé |
| 7782-42-5 | Listed listé | Listed listé | Listed DSL listé DSL | Listed listé |
| 12597-71-6 | Listed listé | Listed listé | Listed DSL listé DSL | Listed listé |
| 1314-13-2 | Listed listé | Listed listé | Listed DSL listé DSL | Listed listé |
| 7440-02-0 | Listed listé | Listed listé | Listed DSL listé DSL | Listed listé |

## Section 16- Additional Information
Section 16- renseignements supplémentaires

Issue Date: 2024-01-04 Date d'émission: 2024-01-04
Issue Department: Technical department Département thématique: département technique
**Modification record:** Enregistrement de Modification:
Notice to reader Avis au lecteur

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

À notre connaissance, les informations contenues dans le présent document sont exactes. Toutefois, ni le fournisseur mentionné ci-dessus ni aucune de ses filiales n'assume aucune responsabilité pour l'exactitude ou l'exhaustivité des informations contenues dans les présentes.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

La détermination finale de l'aptitude de tout matériau est de la seule responsabilité de l'utilisateur. Tous les matériaux peuvent présenter des dangers inconnus et doivent être utilisés avec prudence. Bien que certains dangers soient décrits ici, nous ne pouvons garantir que ce sont les seuls dangers qui existent.

Other Information: Autres informations:
CAS: (Chemical Abstracts Service); CAS: (Chemical Abstracts Service);

EC: (European Commission); Ce: (Commission européenne);
ACGIH: (American Conference of Governmental Industrial Hygienists); ACGIH (conférence américaine des hygiénistes industriels gouvernementaux);
NIOSH: (US National Institute for Occupational Safety and Health);OSHA: (US Occupational Safety and Health);NIOSH: (institut National américain pour la sécurité et la santé au travail);OSHA: (sécurité et santé au travail aux États-Unis);
TLV: (Threshold Limit Value) TLV: (valeur limite de seuil)
TWA: (Time Weighted Average); TWA: (moyenne pondérée dans le temps);
STEL: (Short Term Exposure Limit); STEL: (limite d'exposition à court terme);
PEL: (Permissible Exposure Level); PEL: (niveau d'exposition admissible);
REL: (Recommended Exposure Limit); REL: (limite d'exposition recommandée);
PC-STEL: (Permissible concentration-short time exposure limit); PC-STEL: (concentration admissible — limite d'exposition de courte durée);
PC-TWA: (Permissible concentration-time weighted average); PC-TWA: (moyenne pondérée concentration-temps admissible);
IARC: (International Agency for Research on Cancer);Circ (centre International de recherche sur le Cancer);
LC50: (Lethal concentration, 50 percent kill); Cl50: (concentration létale, 50% de décès);
LD50: (Lethal dose, 50 percent kill); Dl50: (dose létale, 50 pour cent de décès);
EC50: (Median effective concentration); Ce50: (concentration effective médiane);
BCF: (Bioconcentration Factor); FBC: (facteur de Bioconcentration);
BOD: (Biochemical oxygen demand); Dbo: (demande biochimique en oxygène);
IECSC: (Inventory of Existing Chemical Substances in China); Iceca (inventaire des Substances chimiques existantes en Chine);
NOEC: (No observed effect concentration);Cseo: (aucune concentration avec effet observé);
NTP: (US National Toxicology Program); NTP: (u.s. National Toxicology Program);
RTECS: (Registry of Toxic Effects of Chemical Substances); RTECS: (registre des effets toxiques des Substances chimiques);
TOC: (Total Organic Carbon); Cot: (carbone organique Total);
TSCA: (Toxic Substances Control Act of USA); TSCA: (Toxic Substances Control Act of USA);
DSL: (the Domestic Substances List of Canada); Lis: (liste intérieure des Substances du Canada);
NDSL: (the Non-domestic Substances List of Canada); Les: (la liste extérieure du Canada);
IATA: (International Air Transport Association); IATA: (Association du Transport aérien International);
IMDG: (International Maritime Dangerous Goods); IMDG: (marchandises dangereuses maritimes internationales);
TDG: (Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations) ;TMD: (recommandations sur le règlement type sur le TRANSPORT des marchandises dangereuses)

********End of Safety Data Sheet********

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# SAFETY DATA SHEET

**Issuing Date:** 27-Feb-2015 **Revision Date:** 27-Feb-2015 **Version** 1

## 1. IDENTIFICATION

| | |
|---|---|
| **Product Name** | Swiffer Wet Mopping Cloths Open Window Fresh, Lavender and Vanilla, Citrus and Light and Gain |
| **Product ID:** | 92058832_RET_NG |
| **Product Type:** | Finished Product - Consumer (Retail) Use Only |
| **Recommended Use** | Hard Surface Cleaner |
| **Restrictions on Use** | Use only as directed on label. |
| **Synonyms** | Swiffer Wet Mopping Cloths Open Window Fresh, Lavender and Vanilla, Citrus and Light and Gain (92062716_RET_NG)<br>Swiffer Wet Mopping Cloths Open Window Fresh, Lavender and Vanilla, Citrus and Light and Gain (92062717_RET_NG)<br>Swiffer Wet Mopping Cloths Open Window Fresh, Lavender and Vanilla, Citrus and Light and Gain (92062718_RET_NG) |
| **Manufacturer** | PROCTER & GAMBLE - Fabric and Home Care Division. Ivorydale Technical Centre. 5289 Spring Grove Avenue, Cincinnati, Ohio 45217-1087 USA |
| **E-mail Address** | pgsds.im@pg.com |
| **Emergency Telephone** | Transportation (24 HR)<br>CHEMTREC - 1-800-424-9300<br>(U.S./ Canada) or 1-703-527-3887<br>Mexico toll free in country: 800-681-9531 |

## 2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

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

Not Classified.

| | |
|---|---|
| **Signal Word** | None |
| **Hazard Statements** | None |
| **Hazard pictograms** | None |
| **Precautionary Statements - Prevention** | None |

| | |
|---|---|
| **Precautionary Statements - Response** | None |
| **Precautionary Statements - Storage** | None |
| **Precautionary Statements - Disposal** | None |
| **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**

None

## 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** | If ingested, contact a physician immediately. Blockage of the gastrointestinal tract may 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, $CO_2$, alcohol-resistant foam or water spray. |
| **Unsuitable Extinguishing Media** | None. |
| **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**

**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**

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

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Dispose of in accordance with local regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**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**

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

**Incompatible products** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

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

**Exposure controls**

**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** | solid |
| **Appearance** | white |
| **Odor** | Fresh |
| **Odor threshold** | No information available |

| Property | Values | Note |
|---|---|---|
| **pH value** | No information available | |
| **Melting/freezing point** | No information available | |
| **Boiling point/boiling range** | No information available | |
| **Flash point** | No information available | |
| **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** | No information available | |
| **Water solubility** | No information available | |
| **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 | |

**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** None in particular.

**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** | No known effect. |

**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** | No known effect. |
| **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. |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The product is not expected to be hazardous to the environment.

| | |
|---|---|
| **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** | Disposal should be in accordance with applicable regional, national and local laws and 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** | Not regulated |
| **IMDG** | Not regulated |
| **IATA** | Not regulated |

## 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, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

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

**U.S. State Regulations (RTK)**
This product does not contain any substances regulated by state right-to-know regulations

## 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

## 16. OTHER INFORMATION

**Issuing Date:** 27-Feb-2015
**Revision Date:** 27-Feb-2015
**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**

# SAFETY DATA SHEET

**Issuing Date:** 13-Nov-2019 **Revision date** 24-Feb-2021 **Revision Number** 1.01

## 1. IDENTIFICATION

| | |
|---|---|
| **Product Name** | Swiffer Wet Jet Fresh |
| **Product Identifier** | 91013147_RET_NG |
| **Recommended use** | Floor Care. |
| **Details of the supplier of the safety data sheet** | PROCTER & GAMBLE - Fabric and Home Care Division<br>Ivorydale Technical Centre<br>5289 Spring Grove Avenue<br>Cincinnati, Ohio 45217-1087 USA<br><br>Procter & Gamble Inc.<br>P.O. Box 355, Station A<br>Toronto, ON M5W 1C5<br>1-800-331-3774 |
| **E-mail Address** | pgsds.im@pg.com |
| **Emergency Telephone** | Transportation (24 HR)<br>CHEMTREC - 1-800-424-9300<br>(U.S./ Canada) or 1-703-527-3887<br>Mexico toll free in country: 800-681-9531 |

## 2. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

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

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| | |
|---|---|
| **Hazard statements** | None |
| **Hazard pictograms** | None |
| **Precautionary Statements** | None |
| **Precautionary Statements - Response** | None |
| **Precautionary Statements - Storage** | None |
| **Precautionary Statements - Disposal** | None |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

**Additional information** Actual substance concentrations fall within the ranges stated. Maximum values do not necessarily represent the values present in the formula.

## 4. FIRST AID MEASURES

**Description of first aid measures**

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

**Skin contact** Rinse with plenty of water. Get medical attention immediately if symptoms occur.

**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.

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

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

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

**Unsuitable Extinguishing Media** None.

**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**

**Personal precautions** Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing.

**Advice for emergency responders** Use personal protective equipment as required.

**Environmental precautions** Keep out of waterways
Do not discharge product into natural waters without pre-treatment or adequate dilution

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

**Methods for containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

**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**

**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**

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

**Incompatible products** None known.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

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

**Appropriate engineering controls**

**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 inadequate ventilation wear respiratory protection

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Physical state** | Liquid |
| **Appearance** | Clear colorless |
| **Odor** | Cologne |
| **Odor threshold** | No information available |

| Property | Values | Remarks |
|---|---|---|
| **pH** | 6.5 | |
| **Melting point / freezing point** | No information available | |
| **Initial boiling point and boiling range** | 99 °C / 210 °F | |
| **Flash point** | No Flash to Boiling (NFTB) | . |
| **Evaporation rate** | No information available | |
| **Flammability** | No information available | |
| **Flammability Limit in Air** | | |
| **Upper flammability or explosive limits** | No information available | |
| **Lower flammability or explosive limits** | No information available | |
| **Vapor pressure** | No information available | |
| **Relative vapor density** | No information available | |
| **Relative density** | No information available | |
| **Hyphen** | No information available | |
| **Partition coefficient** | No information available | |
| **Autoignition temperature** | No information available | . |
| **Decomposition temperature** | No information available | . |
| **Viscosity** | No information available | |

## 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.

**Incompatible materials** None in particular.

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

## 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** | No known effect. |

**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** | No known effect. |
| **Skin sensitization** | No known effect. |
| **Respiratory sensitization** | No known effect. |

| | |
|---|---|
| **Germ cell mutagenicity** | No known effect. |
| **Reproductive toxicity** | No known effect. |
| **Developmental toxicity** | No known effect. |
| **STOT - single exposure** | No known effect. |
| **STOT - repeated exposure** | No known effect. |
| **Aspiration hazard** | No known effect. |
| **Carcinogenicity** | No known effect. |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The product is not expected to be hazardous to the environment.

| | |
|---|---|
| **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 methods**

| | |
|---|---|
| **Waste from Residues/Unused Products** | Disposal should be in accordance with applicable regional, national and local laws and 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** | Not regulated |
| **IMDG** | Not regulated |
| **IATA** | Not regulated |

## 15. REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS**

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**U.S. State Regulations (RTK)**
This product does not contain any substances regulated by state right-to-know regulations.

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

## 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**
United States Toxic Substances Control Act Section 8(b) Inventory (TSCA)
**CEPA** - Canadian Environmental Protection Act

## 16. OTHER INFORMATION

**HMIS**

**NFPA**

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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 Safety Data Sheet**