

Material Safety Data Sheet

ISO i.color Zero Lift Creme Developer



1. Identification of the material and supplier

Names

- Product name** : ISO i.color Zero Lift Creme Developer
- Distributor** : SALON SUPPORT PTY. LTD.
16 Cavendish Road
COORPAROO QLD 4151AU
AUSTRALIA
Phone: 07-3397-3933
- Manufacturer** : Zotos International, INC
100 Tokeneke Road,
Darien, CT 06820
www.zotos.com
- Emergency telephone number** : 131126

2. Hazards identification

- Classification** : Not regulated.
- Risk phrases** : Not classified.
- Statement of hazardous/dangerous nature** : NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

3. Composition/information on ingredients

- Mixture** : Yes.

| Ingredient name | CAS number | Concentration |
|----------------------------|------------|---------------|
| hydrogen peroxide solution | 7722-84-1 | 1.50 |
| Propylene glycol | 57-55-6 | 1.00 |

Other ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

First aid measures

- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.
- Ingestion** : Call physician immediately.
- Skin contact** : Wash the contaminated skin gently and thoroughly with running water and non-abrasive soap.
- Eye contact** : Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention if you feel unwell.
- Protection of first-aiders** : Use suitable protective equipment (section 8).
- Advice to doctor** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

- Extinguishing media** : Extinguish fire using an agent suitable for the surrounding fire.
- Special exposure hazards** : None known.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

- Personal precautions** : Rubber gloves.
- Environmental precautions** : Store in a cool, well-ventilated, dry place. NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
- Methods for cleaning up** : Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Place spilled material in an appropriate container for disposal. After contact with skin, wash immediately with plenty of water.

7. Handling and storage

- Handling** : Avoid contact with skin and eyes. Store in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10).
- Storage** : Store in a cool, well-ventilated, dry place. Store in a dry place at low temperature away from ignition and heat sources. Avoid increased storage temperature.

8. Exposure controls/personal protection

Occupational exposure limits

| Ingredient name | Exposure limits |
|----------------------------|---|
| hydrogen peroxide solution | Safe Work Australia (Australia, 8/2005). TWA: 1.4 mg/m ³ 8 hour(s). TWA: 1 ppm 8 hour(s). |
| Propylene glycol | Safe Work Australia (Australia, 8/2005). TWA: 10 mg/m ³ 8 hour(s). Form: Particulate TWA: 150 ppm 8 hour(s). Form: Vapor and particulates TWA: 474 mg/m ³ 8 hour(s). Form: Vapor and particulates |

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Exposure controls

- Engineering measures** : In case of insufficient ventilation, wear suitable respiratory equipment. No special ventilation requirements.
- Hygiene measures** : When using do not eat, drink or smoke. Avoid contact with eyes, skin and clothing.
- Eyes** : None.
- Hands** : Wear suitable gloves.
- Respiratory** : In case of insufficient ventilation, wear suitable respiratory equipment.
- Skin** : Wear suitable protective clothing.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

- Physical state** : Liquid. [Viscous liquid.]
- Color** : White.
- Odor** : Odorless.
- Boiling point** : >100°C (>212°F)
- Relative density** : 1
- Density** : 1.1 to 2.1 g/cm³
- Flash point** : Closed cup: Not applicable.

9. Physical and chemical properties

pH : 3.1
 Flame duration : Not applicable.

10. Stability and reactivity

Chemical stability : Unstable.
 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
 Conditions to avoid : No specific data.
 Materials to avoid : Reducing agents metals combustible materials
 Hazardous decomposition products : Contaminated product generates oxygen gas pressure build-up

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.
 Ingestion : No known significant effects or critical hazards.
 Skin contact : No known significant effects or critical hazards.
 Eye contact : No known significant effects or critical hazards.

Acute toxicity

| Product/ingredient name | Result | Dose | Exposure |
|----------------------------|-----------------------|--------------------|----------|
| hydrogen peroxide solution | LC50 Inhalation Vapor | 2 g/m ³ | 4 hours |
| | LD50 Dermal | 3 g/kg | - |
| | LD50 Oral | 376 mg/kg | - |
| Propylene glycol | LD50 Dermal | 20800 mg/kg | - |
| | LD50 Oral | 20 g/kg | - |

Conclusion/Summary : Not available.

Potential chronic health effects

Chronic toxicity

Conclusion/Summary : Not available.

Irritation/Corrosion

| Product/ingredient name | Result | Score | Exposure | Observation |
|----------------------------|--------------------------|-------|--------------------------------------|-------------|
| hydrogen peroxide solution | Eyes - Severe irritant | - | 1 milligrams | - |
| Propylene glycol | Eyes - Mild irritant | - | 24 hours 500 milligrams | - |
| | Eyes - Mild irritant | - | 100 milligrams | - |
| | Skin - Moderate irritant | - | 96 hours 30 Percent continuous | - |
| | Skin - Mild irritant | - | 168 hours 500 milligrams | - |
| | Skin - Moderate irritant | - | 72 hours 104 milligrams Intermittent | - |
| | Skin - Mild irritant | - | 96 hours 30 Percent | - |

Conclusion/Summary : Not available.

Sensitizer

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

11. Toxicological information

Reproductive toxicity

- Conclusion/Summary** : Not available.
- Chronic effects** : No known significant effects or critical hazards.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Teratogenicity** : No known significant effects or critical hazards.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : No known significant effects or critical hazards.

Over-exposure signs/symptoms

- Inhalation** : No specific data.
- Ingestion** : No specific data.
- Skin** : No specific data.
- Eyes** : No specific data.
- Target organs** : Contains material which may cause damage to the following organs: blood, lungs, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

12. Ecological information

THE FOLLOWING DATA IN THIS SECTION IS SOURCED FROM PUBLICLY AVAILABLE DATABASES AND NOT THE REPRESENTATION OF ANY DATA COLLECTED BY ZOTOS INTERNATIONAL OR ITS AFFILIATES.

- Ecotoxicity** : No known significant effects or critical hazards.

Aquatic ecotoxicity

| Product/ingredient name | Result | Species | Exposure |
|----------------------------|-------------------------------------|--|----------|
| hydrogen peroxide solution | Acute EC50 1.2 mg/L Marine water | Algae - Dunaliella tertiolecta - Exponential growth phase | 72 hours |
| | Acute EC50 5.38 mg/L Fresh water | Algae - Pseudokirchneriella subcapitata | 96 hours |
| | Acute EC50 2320 ug/L Fresh water | Daphnia - Daphnia magna - Neonate - <24 hours | 48 hours |
| | Acute LC50 22 ppm Fresh water | Fish - Oncorhynchus mykiss - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| Propylene glycol | Acute EC50 >1000 mg/L Fresh water | Daphnia - Daphnia magna - <24 hours | 48 hours |
| | Acute LC50 1020000 ug/L Fresh water | Crustaceans - Ceriodaphnia dubia - <24 hours | 48 hours |
| | Acute LC50 710000 ug/L Fresh water | Fish - Pimephales promelas - <=7 days | 96 hours |

- Conclusion/Summary** : Not available.

Other ecological information

Persistence/degradability

- Conclusion/Summary** : Not available.

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|----------------------------|--------------------|-----|-----------|
| hydrogen peroxide solution | -1.36 | - | low |
| Propylene glycol | -0.92 | - | low |

- Other adverse effects** : No known significant effects or critical hazards.

13. Disposal considerations

- Methods of disposal** : Dispose of according to all federal, state and local applicable regulations.

14. Transport information

| Regulation | UN number | Proper shipping name | Classes | PG* | Label | Additional information |
|-------------|----------------|----------------------|---------|-----|-------|------------------------|
| ADG | Not regulated. | - | - | - | | - |
| ADR | Not regulated. | - | - | - | | - |
| IMDG | Not regulated. | - | - | - | | - |
| IATA | Not regulated. | - | - | - | | - |

PG* : Packing group

15. Regulatory information**Standard for the Uniform Scheduling of Drugs and Poisons**

Not regulated.

Control of Scheduled Carcinogenic Substances

Not available.

No listed substance

Australia inventory (AICS) : All components are listed or exempted.**16. Other information****Date of issue** : 9/11/2013.**Disclaimer**

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.

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.