



Revision Number: 000.0

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1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product identifier used on the label: Igora Royal 4-65

Other means of identification: 1684473, 1689299, 1689049, 1688290, 1677559, 1662812

Recommended use of the chemical and restrictions on use: Hair Color/Toner, oxidative dyes, No restrictions on use.

Name, address and telephone number of the chemical manufacturer:

Henkel Consumer Goods - Canada
2515 Meadowpine Blvd
Mississauga ON L5N 6C3CHEMTREC: 1-800-424-9300 (24 hours daily)
Internet: www.henkelna.com

Emergency telephone number: Medical Emergencies: 1-800-463-3081

2. HAZARDS IDENTIFICATION

The hazards described in this OSHA Globally Harmonized System Safety Data Sheet (SDS) are not intended for consumers, and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

Classification of the substance or mixture in accordance with paragraph (d) of §1910.1200

HAZARD CLASS	HAZARD CATEGORY
SKIN IRRITATION	2
SERIOUS EYE DAMAGE	1
SKIN SENSITIZATION	1

Signal word, hazard statement(s), symbol(s) and precautionary statement(s) in accordance with paragraph (f) of §1910.1200

Signal word: Not prescribed

Hazard Statement(s):
Not prescribed

Symbol(s): None

Precautionary Statements:

Prevention: Not prescribed
Response: Not prescribed
Storage: Not prescribed
Disposal: Not prescribed

Hazards not otherwise classified: Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

The following chemicals are classified as health hazards in accordance with paragraph (d) of § 1910.1200.

Chemical Name*	CAS Number (Unique Identifier)	Concentration
Ammonium hydroxide	1336-21-6	1 - 5 %
Alcohols, C16-18, 20EO	68439-49-6	1 - 5 %
2-Octyldodecan-1-ol	5333-42-6	1 - 5 %
2-methyl-p-phenylenediamine sulphate	615-50-9	1 - 5 %
Methylresorcinol, 2-	608-25-3	0.1 - 1 %

*The specific chemical identity and/or exact percentage (concentration) of composition has been withheld because a trade secret is claimed in accordance with paragraph (i) of §1910.1200.

4. FIRST AID MEASURES

Description of necessary measures

Inhalation: Not available.
Skin contact: Not available.
Eye contact: Not available.
Ingestion: Not available.

Most important symptoms and effects, both acute and delayed

After eye contact: May cause moderate to severe irritation, with possibility of corneal injury if not removed promptly. After skin contact: Repeated or prolonged excessive exposure may cause irritation or sensitization dermatitis in previously exposed individuals. After ingestion: Nausea and possible vomiting may occur. After inhalation: Unlikely to occur due to the physical properties of the product. At elevated temperatures, vapors or mists may cause irritation.

Indication of any immediate medical attention and special treatment needed

After eye contact: Rinse eyes with plenty of water until no evidence of product remains. After skin contact: Rinse affected area with large amounts of water until no evidence of product remains. After ingestion: Dilution by rinsing the mouth and giving a glass of water to drink is generally recommended. After inhalation: Remove from exposure area to fresh air.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Not available.

Unsuitable extinguishing media: Not available.

Specific hazards arising from the chemical

Not available.

Special protective equipment and precautions for fire-fighters

Not available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Not available.

Environmental precautions

Not available.

Methods and materials for containment and cleaning up

Not available.

7. HANDLING AND STORAGE

Precautions for safe handling

Not available.

Conditions for safe storage, including any incompatibilities

Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available.

Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Ammonium hydroxide	None	None	None	None
2-Octyldodecan-1-ol	None	None	None	None
Titanium dioxide	10 mg/m3 TWA	15 mg/m3 PEL Total dust.	None	None

Appropriate engineering controls

Not available.

Individual protection measures

Respiratory: Not available.

Eye: Not available.

Hand/Body: Not available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	emulsion white, light beige
Odor:	ammoniacal, floral
Odor threshold:	Not available.
pH:	10.00 - 11.00 (20 °C)
Melting point/ range:	Not available.
Boiling point/range:	Not available.
Flash point:	Not applicable
Evaporation rate:	Not available.
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Vapor pressure:	Not available.
Vapor density:	Not available.
Solubility in water:	Miscible
Partition coefficient (n-octanol/water):	Not available.
Autoignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	6,000 - 18,000 mPa.s
VOC content:	Not available.

10. STABILITY AND REACTIVITY

Reactivity:	Not available.
Chemical stability:	Not available.
Possibility of hazardous reactions:	Hazardous polymerization has not been reported to occur under normal temperatures and pressures.
Conditions to avoid:	Not available.
Incompatible materials:	Not available.
Hazardous decomposition products:	Not available.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure including symptoms related to characteristics

Inhalation:	Unlikely to occur due to the physical properties of the product. At elevated temperatures, vapors or mists may cause irritation.
Skin contact:	Repeated or prolonged excessive exposure may cause irritation or sensitization dermatitis in previously exposed individuals.
Eye contact:	May cause moderate to severe irritation, with possibility of corneal injury if not removed promptly.
Ingestion:	May cause mild gastrointestinal irritation with nausea, vomiting, diarrhea and abdominal pain.
Physical/Chemical:	No physical/chemical hazards are anticipated for this product.
Other relevant toxicity information:	This product is a personal care or cosmetic product. The use of this product by consumers is safe under normal and reasonable foreseen use.

Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Ammonium hydroxide	Oral LD50 (RAT) = 350 mg/kg	Irritant, Corrosive
Alcohols, C16-18, 20EO	None	Irritant
2-Octyldodecan-1-ol	None	Irritant
2-methyl-p-phenylenediamine sulphate	None	No Data
Methylresorcinol, 2-	None	No Data

Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Ammonium hydroxide	No	No	No
Alcohols, C16-18, 20EO	No	No	No
2-Octyldodecan-1-ol	No	No	No
2-methyl-p-phenylenediamine sulphate	No	No	No
Methylresorcinol, 2-	No	No	No

Carcinogenicity	None of the ingredients in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA).
Mutagenicity	None of the ingredients in this product are known to cause mutagenicity.
Toxicity for reproduction	None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:

Toxicity to fish:

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
ammonia, aqueous solution 1336-21-6	LC50	0.16 - 1.1 mg/l	Fish	96 h	Salmo gairdneri (new name: Oncorhynchus mykiss)	OECD Guideline 203 (Fish, Acute Toxicity Test) DIN 38412-15
Fatty alcohol, C16-18, ethoxylate 68439-49-6	LC50	4 mg/l	Fish	48 h	Leuciscus idus	
2-Octyldodecan-1-ol 5333-42-6	LC50	> 5,500 mg/l	Fish	48 h	Leuciscus idus	DIN 38412-15
2-methyl-p- phenylenediamine sulphate 615-50-9	LC50	12 mg/l	Fish			OECD Guideline 203 (Fish, Acute Toxicity Test)
Methylresorcinol, 2- 608-25-3	LC50	58.1 mg/l	Fish	96 h	Danio rerio	OECD Guideline 203 (Fish, Acute Toxicity Test)

Toxicity to aquatic invertebrates:

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
ammonia, aqueous solution 1336-21-6	EC50	25.4 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Fatty alcohol, C16-18, ethoxylate 68439-49-6	EC50	> 200 mg/l	Daphnia	24 h	Daphnia magna	
2-methyl-p- phenylenediamine sulphate 615-50-9	EC50	1.6 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Methylresorcinol, 2- 608-25-3	EC50	0.474 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Toxicity to algae:

Hazardous substances CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
ammonia, aqueous solution 1336-21-6	EC50	> 1,000 mg/l	Algae	72 h	Skeletonema costatum	ISO 10253 (Water quality)
	NOEC	1,000 mg/l	Algae	72 h	Skeletonema costatum	ISO 10253 (Water quality)
Fatty alcohol, C16-18, ethoxylate 68439-49-6	EC50	65 mg/l	Algae	72 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
2-Octyldodecan-1-ol 5333-42-6	EC50	100 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
	EC0	10 mg/l	Algae	96 h	Scenedesmus subspicatus (new name: Desmodesmus subspicatus)	DIN 38412-09
Methylresorcinol, 2- 608-25-3	EC10	20.8 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
	EC50	71 mg/l	Algae	72 h	Pseudokirchnerella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability

Hazardous substances CAS-No.	Result value	Route of application	Species	Method
Fatty alcohol, C16-18, ethoxylate 68439-49-6	readily biodegradable	aerobic	71 - 75 %	EU Method C.4-E (Determination of the "Ready" Biodegradability Closed Bottle Test)
2-Octyldodecan-1-ol 5333-42-6		aerobic	64 %	ISO 14593 (CO ₂ -Headspace)
2-methyl-p- phenylenediamine sulphate 615-50-9		aerobic	85 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
		aerobic	17 %	OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Methylresorcinol, 2- 608-25-3	not inherently biodegradable	aerobic	61 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	readily biodegradable	aerobic	64 %	OECD Guideline 301 B (Ready Biodegradability: CO ₂ Evolution Test)

Bioaccumulative potential

No data available.

Mobility in soil

Hazardous substances CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Method
2-Octyldodecan-1-ol 5333-42-6	8.63				
2-methyl-p- phenylenediamine sulphate 615-50-9	0.16				
Methylresorcinol, 2- 608-25-3	0.183		27 °C		OECD Guideline 117 (Partition Coefficient (n- octanol / water), HPLC Method)

13. DISPOSAL CONSIDERATIONS

Description of waste residues:

Hazardous waste number: Not available.

Safe handling and disposal methods:

Recommended method of disposal: Not available.

14. TRANSPORT INFORMATION

The information in this section is for reference only and should not take the place of a shipping paper (bill of lading) specific to an order. Please note that the proper shipping classification may vary by packaging, properties, and mode of transportation.

U.S. Department of Transportation Ground (49 CFR)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: Not regulated
Hazard class or division: None
Identification number: None
Packing group: None

15. REGULATORY INFORMATION

Occupational safety and health act: Hazard Communication Standard, 29 CFR 1910.1200(g) Appendix D: The Occupational Safety and Health Administration (OSHA) require that the Safety Data Sheets (SDSs) are readily accessible to employees for all hazardous chemicals in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain health hazard information not relevant to consumer use.

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act inventory.

TSCA 12 (b) Export Notification:

CERCLA/SARA Section 302 EHS: None above reporting de minimis.
CERCLA/SARA Section 311/312: Not available.
CERCLA/SARA Section 313: The following components are subject to reporting levels established by SARA Title III, Section 313:
Ammonium hydroxide (CAS# 1336-21-6).

California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information

CEPA DSL/NDL Status: One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.

16. OTHER INFORMATION

DISCLAIMER: The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Corporation and its affiliates ("Henkel") does not assume responsibility for any results obtained by persons over whose methods Henkel has no control. It is the user's responsibility to determine the suitability of Henkel's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any Henkel's products. In light of the foregoing, Henkel specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel's products. Henkel further disclaims any liability for consequential or incidental damages of any kind, including lost profits.

This safety data sheet contains changes from the previous version in sections: Not available.

Prepared by: Not available.

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