



Revision Number: 001.0

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

Product identifier used on the label: Igora Vario Blond Plus, blue bleaching powder

Recommended use of the chemical and restrictions on use: Bleaching

Name, address and telephone number of the chemical manufacturer:

Henkel Corporation  
One Henkel Way  
Rocky Hill CT 06067

CHEMTREC: 1-800-424-9300 (24 hours daily)  
Internet: www.henkel-northamerica.com

Emergency telephone number: Medical Emergencies: 1-800-258-3425

## 2. HAZARDS IDENTIFICATION

The hazards described in this 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
OXIDIZING SOLID	3
CORROSIVE TO METALS	1
ACUTE TOXICITY ORAL	4
SKIN CORROSION	1C - Corrosive
SERIOUS EYE DAMAGE	1
RESPIRATORY SENSITIZATION	1
SKIN SENSITIZATION	1
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE INHALATION	2

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

Signal word: DANGER

Hazard Statement(s):

May intensify fire; oxidizer.  
May be corrosive to metals.  
Harmful if swallowed.  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause respiratory irritation.  
May cause damage to organs through prolonged or repeated exposure.

Symbol(s):



Precautionary Statements:

Prevention:

Keep away from heat.  
Keep away from clothing and other combustible materials.  
Take any precaution to avoid mixing with combustibles.  
Keep only in original packaging.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Wash affected area thoroughly after handling.

**Response:**

Do not eat, drink or smoke when using this product.  
Use only outdoors or in a well-ventilated area.  
Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves, clothing, eye and face protection.  
In case of inadequate ventilation wear respiratory protection.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Immediately call a POISON CENTER or physician.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation or rash occurs: Get medical attention.  
If experiencing respiratory symptoms: Call a poison center or physician.  
Wash contaminated clothing before reuse.  
In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.  
Absorb spillage to prevent material damage.  
**Storage:** Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Store in corrosive resistant container with a resistant inner liner.  
**Disposal:** Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

**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
Silicic acid, sodium salt, spray powder	1344-09-8	>= 20 - < 30 %
dipotassium peroxodisulphate	7727-21-1	>= 10 - < 20 %
Diammonium peroxodisulphate	7727-54-0	>= 10 - < 20 %
disodium peroxodisulphate	7775-27-1	>= 5 - < 10 %
White mineral oil, highly refined	8042-47-5	>= 5 - < 10 %
Sodium metasilicate	6834-92-0	>= 5 - < 10 %
Carboxymethyl cellulose, sodium salt	9004-32-4	>= 1 - < 5 %
Sodium EDTA	64-02-8	>= 1 - < 5 %
Silica, amorphous, fumed, crystal-free	112945-52-5	>= 1 - < 5 %
Succinic acid	110-15-6	>= 1 - < 5 %

\*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.

Actual concentration or concentration range is withheld as a trade secret

### 4. FIRST AID MEASURES

**Description of necessary measures**

**Inhalation:** Move to fresh air. If symptoms persist, seek medical advice.  
**Skin contact:** Rinse affected area with large amounts of mild soap and water until no evidence of product remains. If adverse health effects develop seek medical attention.  
**Eye contact:** Rinse eyes immediately with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation develops.  
**Ingestion:** Dilution by rinsing the mouth and giving water or milk to drink is generally recommended. Contact physician or local poison control center.

**Most important symptoms and effects, both acute and delayed**

After eye contact: May cause burns with impairment or permanent loss of vision. After skin contact: May cause severe irritation, pain and possibly chemical burns. May cause sensitization by skin contact. After ingestion: Corrosivity may cause immediately pain, burning, swelling, and redness in mouth and throat. Nausea and vomiting may occur. Risk of serious damage to the mouth, throat and esophagus. Harmful if swallowed. After inhalation: May cause sensitization by inhalation.

#### 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: Administer immediately plenty of water. With ingestion of larger quantities (in adults one tablespoon) or in the case of discomfort or pain seek immediate medical attention. After inhalation: Remove from exposure area to fresh air.

### 5. FIRE FIGHTING MEASURES

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** Dry chemical, carbon dioxide, water spray or regular foam.

**Unsuitable extinguishing media:** None known

#### Specific hazards arising from the chemical

carbon oxides. Generation of oxygen Sulphur dioxide

#### Special protective equipment and precautions for fire-fighters

In case of fire, wear a full-face positive-pressure self-contained breathing apparatus and protective suit. Avoid breathing vapors, keep upwind. Isolate area. Keep unnecessary personnel away.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Wear skin, eye and respiratory protection as recommended in Section 8. Stop leak if you can do it without risk. Spills present a slipping hazard. Keep unnecessary personnel away. Ventilate spill area if possible. Make sure area is slip-free before re-opening to traffic.

#### Environmental precautions

Small or household quantities may be disposed in regular domestic trash. For larger quantities check with your local disposal authorities.

#### Methods and materials for containment and cleaning up

SMALL SPILLS: Sweep or scoop up and place into containers for later disposal. Wash site of spillage thoroughly with water. LARGE SPILLS: Sweep or scoop up and place into suitable clean, dry containers for reclamation or later disposal. Do not flush spilled material into sewer. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container. Keep unnecessary people away from spill.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Do not get in eyes, on skin, on clothing Do not take internally. Use with adequate ventilation.

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

Store in original containers in a cool dry area. Storage areas for large quantities (warehouse) should be well ventilated. Keep the containers tightly closed when not in use.

## 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
dipotassium peroxodisulphate	0.1 mg/m3 TWA (as persulfate)	None	None	None
Diammonium peroxodisulphate	0.1 mg/m3 TWA (as persulfate)	None	None	None
disodium peroxodisulphate	0.1 mg/m3 TWA (as persulfate)	None	None	None
White mineral oil, highly refined	5 mg/m3 TWA Inhalable fraction.	5 mg/m3 PEL Mist.	None	None
Sodium EDTA	None	None	None	None
Silica, amorphous, fumed, crystal-free	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	20 MPPCF TWA 0.8 mg/m3 TWA	None	None
Succinic acid	None	None	None	None

### Appropriate engineering controls

Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

### Individual protection measures

<b>Respiratory:</b>	Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.
<b>Eye:</b>	Splash-proof safety glasses are required to prevent eye contact where splashing of product may occur.
<b>Hand/Body:</b>	Suitable protective gloves. Protective clothing is required where repeated or prolonged skin contact may occur.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	powder blue
<b>Odor:</b>	floral
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	10.60 - 11.20 (20 °C)
<b>Melting point/ range:</b>	Not available.
<b>Boiling point/range:</b>	Not available.
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	Not available.
<b>Flammable/Explosive limits - lower:</b>	Not available.
<b>Flammable/Explosive limits - upper:</b>	Not available.
<b>Vapor pressure:</b>	Not available.
<b>Vapor density:</b>	Not available.
<b>Solubility in water:</b>	Partially soluble
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>Autoignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>VOC content:</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This product may react with strong alkalis.
<b>Chemical stability:</b>	Stable under normal ambient temperature (70°F, 21°C) and pressure (1 atm).
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization has not been reported to occur under normal temperatures and pressures.
<b>Conditions to avoid:</b>	Avoid storing in direct sunlight and avoid extremes of temperature.
<b>Incompatible materials:</b>	Strong oxidizers and alkalis.
<b>Hazardous decomposition products:</b>	Thermal decomposition may release toxic and/or hazardous gases, including ammonia.

## 11. TOXICOLOGICAL INFORMATION

### Likely routes of exposure including symptoms related to characteristics

<b>Inhalation:</b>	May cause sensitization by inhalation.
<b>Skin contact:</b>	Repeated or prolonged exposure may cause skin burns. May cause skin sensitization.
<b>Eye contact:</b>	Contact with this product may cause severe eye damage.
<b>Ingestion:</b>	May cause burns of the mouth, throat and stomach. May also cause gastrointestinal disturbances such as nausea, vomiting, abdominal pain, and diarrhea. Harmful if swallowed.
<b>Physical/Chemical:</b>	The product is an oxidant. Fire and explosive hazard contact with open fire or elevated temperature.

<b>Other relevant toxicity information:</b>	This product is a personal care or cosmetic product. Exposure with skin may cause severe irritation, pain and possibly chemical burns. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Direct contact with eyes may cause irritation or burns.
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### Numerical measures of toxicity, including delayed and immediate effect

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Silicic acid, sodium salt, spray powder	Oral LD50 (RAT) = 1,100 - 1,600 mg/kg Oral LD50 (RAT) = 1.1 g/kg	Corrosive, Irritant
dipotassium peroxodisulphate	None	No Data
Diammonium peroxodisulphate	None	Allergen, Irritant, Respiratory
disodium peroxodisulphate	None	Irritant, Allergen, Respiratory
White mineral oil, highly refined	None	Irritant
Sodium metasilicate	Oral LD50 (RAT) = 1,280 mg/kg	Irritant, Corrosive, Eyes
Carboxymethyl cellulose, sodium salt	None	Allergen, Respiratory
Sodium EDTA	Oral LD50 (RAT) = > 2,000 mg/kg	Irritant
Silica, amorphous, fumed, crystal-free	None	Nuisance dust
Succinic acid	Oral LD50 (RAT) = 2,260 mg/kg	Irritant

### Carcinogenicity information

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Silicic acid, sodium salt, spray powder	No	No	No
dipotassium peroxodisulphate	No	No	No
Diammonium peroxodisulphate	No	No	No
disodium peroxodisulphate	No	No	No
White mineral oil, highly refined	No	No	No
Sodium metasilicate	No	No	No
Carboxymethyl cellulose, sodium salt	No	No	No
Sodium EDTA	No	No	No
Silica, amorphous, fumed, crystal-free	No	No	No
Succinic acid	No	No	No

<b>Carcinogenicity</b>	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).
<b>Mutagenicity</b>	None of the ingredients in this product are known to cause mutagenicity.
<b>Toxicity for reproduction</b>	None of the ingredients in this product are known as reproductive, fetal, or developmental hazards.

## 12. ECOLOGICAL INFORMATION

### Aquatic Toxicity:

This product is anticipated to be safe for the environment at concentrations predicted in household settings under normal use conditions. The following toxicity information is available for the hazardous ingredient(s) when used as technical grade and is provided as reference for the occupational settings.

### Toxicity to fish:

The aquatic toxicity profile of this product has not been determined.

### Toxicity to aquatic invertebrates:

The aquatic toxicity profile of this product has not been determined.

### Toxicity to algae:

The aquatic toxicity profile of this product has not been determined.

### Persistence and degradability

Hazardous substances CAS-No.	Result value	Route of application	Species	Method
White mineral oil, highly refined, Visc. >7 mm <sup>2</sup> /s <20.5 mm <sup>2</sup> /s, 40° 8042-47-5	not readily biodegradable.	aerobic	31.3 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Carboxymethyl cellulose, Na-salt 9004-32-4	not readily biodegradable.		< 5 %	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
Tetrasodium ethylenediaminetetraacetat e 64-02-8	not inherently biodegradable	no data	5 %	OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test)
	not readily biodegradable.	aerobic	9.9 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Succinic acid 110-15-6	inherently biodegradable	aerobic	100 %	EU Method C.9 (Biodegradation: Zahn-Wellens Test)
	readily biodegradable		67.5 %	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)

### Bioaccumulative potential

The bioaccumulation potential of this product has not been determined.

### Mobility in soil

The mobility of this product (in soil and water) has not been determined.

## 13. DISPOSAL CONSIDERATIONS

### Description of waste residues:

**Hazardous waste number:** D001 (Ignitability)

### Safe handling and disposal methods:

**Recommended method of disposal:** Special waste incineration or special disposal with the approval of the responsible local authority.

**Disposal of uncleaned packages:** Dispose of container and unused contents in accordance with federal, state and local requirements

## 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:** Oxidizing solid, corrosive, n.o.s. (Potassium persulfate, Sodium metasilicate)  
**Hazard class or division:** 5.1 (8)  
**Identification number:** UN 3085  
**Packing group:** III

### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Oxidizing solid, corrosive, n.o.s. (Potassium persulfate, Sodium metasilicate)  
**Hazard class or division:** 5.1 (8)  
**Identification number:** UN 3085  
**Packing group:** III

### Water Transportation (IMO/IMDG)

**Proper shipping name:** OXIDIZING SOLID, CORROSIVE, N.O.S. (Potassium persulfate, Sodium metasilicate)  
**Hazard class or division:** 5.1 (8)  
**Identification number:** UN 3085  
**Packing group:** III  
**Additional information:** IMDG-Code: Segregation group 16- Peroxides; Segregation group 18- Alkalies

### Risk indication:

Must be protected from direct sunshine and stored in a cool and well ventilated place, away from all sources of heat.  
Protect from moisture

## 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:  
Diammonium peroxodisulphate (CAS# 7727-54-0).  
**California Proposition 65:** Not available.

### 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:** New Safety Data Sheet format.

**Prepared by:** R&D Support Services

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