

## 1. Identification

**Product identifier** **AQUAFRESH ISO-ACTIVE**

**Other means of identification** Not available.

**Synonym(s)** MFC 02380 AQUAFRESH ISO-ACTIVE WHITENING FRESH IMPACT \* MFC 02382 AQUAFRESH ISO-ACTIVE WHITENING DEEP IMPACT \* MFC 02384 AQUAFRESH ISO-ACTIVE WHITENING LASTING IMPACT \* AQUAFRESH WHITENING ISO-ACTIVE \* AQUAFRESH AEROSOL TOOTHPASTE \* PROJECT R2W \* SODIUM FLUORIDE, FORMULATED PRODUCT

**Recommended use** Cosmetic Product

**Recommended restrictions** No other uses are advised.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

GlaxoSmithKline US  
 5 Moore Drive  
 Research Triangle Park, NC 27709 USA  
 US General Information (normal business hours): +1-888-825-5249  
 Email Address: msds@gsk.com  
 Website: www.gsk.com  
 EMERGENCY PHONE NUMBERS -  
 TRANSPORT EMERGENCIES::  
 US / International toll call +1 703 527 3887  
 available 24 hrs/7 days; multi-language response

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**OSHA defined hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** Not available.

**Hazard statement** The mixture does not meet the criteria for classification.

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Hazard(s) not otherwise classified (HNOC)** This product is combustible.  
 See section 11 of the SDS for additional information on health hazards.

**Supplemental information** Not applicable.

## 3. Composition/information on ingredients

### Mixtures

Chemical name	Common name and synonyms	CAS number	%
ISOPENTANE	2-METHYLBUTANE BUTANE,2-METHYL- 1,1,2-TRIMETHYLETHANE ISO-PENTANE PENTANE 2-METHYL BUTANE ISOPENTANE (2-METHYLBUTANE) MÉTHYLBUTANE	78-78-4	2
SODIUM FLUORIDE	SODIUM MONOFLUORIDE NATURAL VILLIAUMITE	7681-49-4	0.25

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Immediately flush skin with plenty of water. Take off contaminated clothing and wash before reuse. Get medical attention if symptoms occur.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed, rinse mouth with water (only if the person is conscious).

Direct contact with eyes may cause temporary irritation.

Provide general supportive measures and treat symptomatically.

If you feel unwell, seek medical advice (show the label where possible).

Alcohol resistant foam. Water spray. Water fog. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

None known.

During fire, gases hazardous to health may be formed.

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

In the event of fire, wear self-contained breathing apparatus.

Use standard firefighting procedures and consider the hazards of other involved materials.

Aerosol containers may violently rupture when exposed to the heat of fire.

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Stop the flow of material, if this is without risk. Following product recovery, flush area with water.

Avoid discharge into drains, water courses or onto the ground.

Avoid prolonged exposure. Observe good industrial hygiene practices.

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

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**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
SODIUM FLUORIDE (CAS 7681-49-4)	PEL	2.5 mg/m3

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

Components	Type	Value	Form
SODIUM FLUORIDE (CAS 7681-49-4)	TWA	2.5 mg/m3	Dust.

**US. ACGIH Threshold Limit Values**

Components	Type	Value
ISOPENTANE (CAS 78-78-4)	TWA	600 ppm
SODIUM FLUORIDE (CAS 7681-49-4)	TWA	2.5 mg/m3

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
SODIUM FLUORIDE (CAS 7681-49-4)	TWA	2.5 mg/m3

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
SODIUM FLUORIDE (CAS 7681-49-4)	3 mg/l	Fluoride	Urine	*
	2 mg/l	Fluoride	Urine	*

\* - For sampling details, please see the source document.

**Appropriate engineering controls**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Hand protection**

The selection of gloves for a specific activity must be based on the material's properties and on possible permeation and degradation that may occur under the circumstances of use. Wear protective gloves.

**Other**

Wear appropriate chemical resistant clothing.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards**

Wear appropriate thermal protective clothing, when necessary.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical and chemical properties****Appearance**

Physical state	Liquid.
Form	Foam.
Color	Not available.

**Odor** Not available.

**Odor threshold** Not available.

**pH** Not available.

**Melting point/freezing point** Not available.

**Initial boiling point and boiling range** Not available.

**Flash point** Not available.

**Evaporation rate** Not available.

**Flammability (solid, gas)** Not available.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not available.

<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Percent volatile</b>	53.2 % estimated

## 10. Stability and reactivity

<b>Reactivity</b>	Not available.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 degrees C. Do not puncture or incinerate when empty. Do not overheat containers, they might violently rupture.
<b>Incompatible materials</b>	Strong oxidizing agents. Fluorine. Chlorine.
<b>Hazardous decomposition products</b>	Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	Health injuries are not known or expected under normal use.
<b>Inhalation</b>	Health injuries are not known or expected under normal use. Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
<b>Skin contact</b>	Health injuries are not known or expected under normal use.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

<b>Acute toxicity</b>	Health injuries are not known or expected under normal use.
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<b>Components</b>	<b>Species</b>	<b>Test Results</b>
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D&C YELLOW #10 (CAS 8004-92-0)

#### **Acute**

*Oral*

LD50	Rat	2000 mg/kg
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SUCRALOSE (CAS 56038-13-2)

#### **Acute**

*Oral*

LD50	Rat	10 g/kg
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\* Estimates for product may be based on additional component data not shown.

<b>Skin corrosion/irritation</b>	Health injuries are not known or expected under normal use.
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#### **Irritation Corrosion - Skin: P.I.I. value**

SUCRALOSE	0
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<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.
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**Respiratory or skin sensitization****Respiratory sensitization** Not available.**Skin sensitization** Health injuries are not known or expected under normal use.**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.**Carcinogenicity** Health injuries are not known or expected under normal use. Not classifiable as to carcinogenicity to humans.**IARC Monographs. Overall Evaluation of Carcinogenicity**

SODIUM FLUORIDE (CAS 7681-49-4)

3 Not classifiable as to carcinogenicity to humans.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive toxicity** Health injuries are not known or expected under normal use. Contains no ingredient listed as toxic to reproduction**Specific target organ toxicity - single exposure** None known.**Specific target organ toxicity - repeated exposure** None known.**Aspiration hazard** Not available.**12. Ecological information****Ecotoxicity** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components		Species	Test Results
SODIUM FLUORIDE (CAS 7681-49-4)			
<i>Acute</i>			
	IC50	Activated sludge	2930 mg/L, 3 hours
<b>Aquatic</b>			
<i>Acute</i>			
Algae	EC50	Green algae (Selenastrum capricornutum)	272 mg/L, 96 hours
Crustacea	EC50	Water flea (Daphnia magna)	340 mg/L, 48 hours Static test
Fish	EC50	Fathead minnow (Juvenile Pimephales promelas)	180 mg/L, 96 hours Static renewal test
		Mosquito fish (Adult Gambusia affinis)	418 mg/L, 96 hours Static test
		Rainbow trout (Juvenile Oncorhynchus mykiss)	108 mg/L, 96 hours Static test
SUCRALOSE (CAS 56038-13-2)			
<i>Acute</i>			
	IC50	Activated sludge	> 1000 mg/l, 3 hours
<b>Aquatic</b>			
<i>Acute</i>			
Crustacea	EC50	Water flea (Daphnia magna)	> 100 mg/l, 48 hours Static test
	NOEC	Water flea (Daphnia magna)	100 mg/l, 48 hours Static test

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.**Bioaccumulative potential** No data available.**Partition coefficient n-octanol / water (log Kow)**

ISOPENTANE

2.3

3.27

**Bioconcentration factor (BCF)**

SODIUM FLUORIDE

2.3 Measured

**Mobility in soil** No data available.**Mobility in general** Not available.**Other adverse effects** None known.

### 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport information

<b>DOT</b>	
UN number	UN1950
UN proper shipping name	Aerosols, non-flammable, (each not exceeding 1 L capacity)
Transport hazard class(es)	
Class	2.2
Subsidiary risk	-
Label(s)	2.2
Packing group	Not applicable.
Special precautions for user	Not available.
Packaging exceptions	306
Packaging non bulk	None
Packaging bulk	None
Qty limits cargo	150 kg
Qty limits passenger	75 kg
<b>IATA</b>	
UN number	UN1950
UN proper shipping name	Aerosols, non-flammable
Transport hazard class(es)	2.2
Subsidiary class(es)	-
Packaging group	Not available.
Environmental hazards	No.
Labels required	2
ERG Code	2L
Special precautions for user	Not available.
<b>Other information</b>	
Cargo aircraft only	Allowed.
Passenger & cargo	Allowed.
<b>Additional Information:</b>	
Packaging Instruction	203
Pkg Inst cargo only	203
Pkg Inst passenger & cargo	Y203
SP see 44	A98,A145,A167
Max net qty pkg	75 kg
Max net qty pkg cargo only	150 kg
Max net qty pkg LQ	30 kg G
<b>IMDG</b>	
UN number	UN1950
UN proper shipping name	AEROSOLS, asphyxiant
Transport hazard class(es)	
Class	2
Subsidiary risk	5A
Label(s)	2
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	No.
EmS	Not available.
Special precautions for user	Not available.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	MARPOL Annex II applies to liquids used in a ship's operation that pose a threat to the marine environment. These materials may not be transported in bulk.

DOT



IATA



## 15. Regulatory information

**US federal regulations** One or more components are not listed on TSCA.

### **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

### **CERCLA Hazardous Substance List (40 CFR 302.4)**

ISOPENTANE (CAS 78-78-4)

Listed.

SODIUM FLUORIDE (CAS 7681-49-4)

Listed.

### **SARA 304 Emergency release notification**

Not regulated.

### **US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

### **Superfund Amendments and Reauthorization Act of 1986 (SARA)**

#### **Hazard categories**

Immediate Hazard - No

Delayed Hazard - No

Fire Hazard - No

Pressure Hazard - No

Reactivity Hazard - No

#### **SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

#### **SARA 313 (TRI reporting)**

Not regulated.

### **Other federal regulations**

#### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

#### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

ISOPENTANE (CAS 78-78-4)

**Safe Drinking Water Act (SDWA)** Not regulated.

### **US state regulations**

#### **US. Massachusetts RTK - Substance List**

ISOPENTANE (CAS 78-78-4)

SODIUM FLUORIDE (CAS 7681-49-4)

#### **US. New Jersey Worker and Community Right-to-Know Act**

ISOPENTANE (CAS 78-78-4)

500 lbs

#### **US. Pennsylvania RTK - Hazardous Substances**

ISOPENTANE (CAS 78-78-4)

SODIUM FLUORIDE (CAS 7681-49-4)

**US. Rhode Island RTK**

ISOPENTANE (CAS 78-78-4)

SODIUM FLUORIDE (CAS 7681-49-4)

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

<b>Issue date</b>	04-07-2014
<b>Revision date</b>	04-07-2014
<b>Version #</b>	02
<b>Further information</b>	HMIS® is a registered trade and service mark of the NPCA. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.
<b>HMIS® ratings</b>	Health: 1* Flammability: 1 Physical hazard: 0
<b>NFPA ratings</b>	Health: 1 Flammability: 1 Instability: 0
<b>References</b>	GSK Hazard Determination
<b>Disclaimer</b>	The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create any warranty, express or implied. It is the responsibility of the user to determine the applicability of this information and the suitability of the material or product for any particular purpose.
<b>Revision Information</b>	Product and Company Identification: Product and Company Identification Composition / Information on Ingredients: Ingredients Transport Information: Proper Shipping Name/Packing Group Regulatory Information: United States