SAFETY DATA SHEET

Section 1: Identification

Product Name: Splat Oxide
Chemical Name/Synonyms: N/A
Company: DeveloPlus, Inc.
1575 Magnolia Ave.
Corona, CA 92879 U.S.A
Tel.: +1 951-738-8595
Fax: +1 951-738-8593
Web: www.developlus.com;
Hours of Operation
Monday-Friday 8.00 am – 5.00 pm (UTC-08:00)
Recommendations on use: Personal care product to be mixed with companion product(s) in accordance with instructions and applied to hair to aid in coloring.
Restrictions on use: For external use only. Use only as directed. See product packaging/insert for skin allergy test conditions.

Section 2: Hazard(s) Identification

Hazard Classification: Serious Eye Damage Category 1. Acute Toxicity Oral Category 4. Oxidizing Liquid
Category 3.
Signal Word(s): DANGER
Hazard Statements: Causes serious eye damage. Harmful if swallowed. May intensify fire, oxidizer.
Pictograms:

This material is considered hazardous by the US Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200). Ingredients present at 1.0 % or greater which are classified individually as hazardous are indicated in Section 3. Ingredients present at 0.1% or greater which are classified individually as carcinogenic are indicated in Section 3.
Precautionary Statements: Wash thoroughly after handling. Wear protective gloves (nitrile or vinyl) and eye/face protection. IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If eye irritation persists, get medical advice/attention. KEEP OUT OF REACH OF CHILDREN. Over-exposure may cause skin dryness or slight irritation. Prolonged contact may lighten skin. Keep away from heat. Keep/Storage away from combustibles (e.g. paper), organics, and metals (e.g. iron). Take precaution to avoid mixing with combustible and organic materials.
Description of other hazards: None

Section 3: Composition/ Information on Ingredients

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions. Hazardous substances present at 1.0 % or greater are indicated. Substance which may be considered carcinogenic are listed if present at 0.1% or greater.

Only hazardous constituents associated with the product are listed below

Chemical Name	CAS#	Conc.
Hydrogen Peroxide	7722-84-1	1%-12%

Section 4: First-Aid Measures

After skin contact: May be irritating to skin, can cause allergic skin reaction in sensitive individuals such as rashes, welts, dermatitis. If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.
After eye contact: May cause serious eye damage. Overexposure may result in redness, itching, irritation and watering. Splashes are not likely, however, if product gets in the eyes, flush cautiously with copious amounts of lukewarm water for at least 15 minutes. Remove contact lenses if present and easy to do so. Seek immediate medical attention.
After inhalation: No effects expected. Remove victim to fresh air immediately.
After swallowing: If swallowed, do not induce vomiting. Drink plenty of water or milk IMMEDIATELY. If victim is vomiting, continue to offer water or milk. Never give liquids to an unconscious person. Contact nearest Poison Control Center or local emergency number. Provide an estimate of time of when material was ingested along with the amount.
Acute Health Effects: Moderate irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas.
Chronic Health Effects: No harmful or chronic health effects are expected to occur from a single accidental ingestion.

Section 5: Fire-Fighting Measures

This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures which will release oxygen. As a result of combustion and thermal decomposition, oxidation products may form and exposure to such products may result in health hazards.

Suitable extinguishing agents: In case of fire: Use carbon dioxide, dry chemical, foam anc spray for extinction. Selection of a fire extinguisher should also be appropriate to address t of the fire and equipment involved. Please review the tools available at your location to ensure proper availability of equipment.
Special protective equipment for firefighters: As in any fire, wear approved self-contained breathing apparatus (pressure-demand) and full protective gear. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous decomposition products.

Section 6: Accidental Release Measures

Personal precautions: Wear protective equipment. Keep unprotected persons away. Keep incompatible materials (organics such as oil) away from spill).
Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent.
Dispose contaminated material as waste according to item 13.

Section 7: Handling and Storage

Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not expose to heat and flame. Use only in ventilated areas. Keep out of the reach of children. Wash unintentional residues with soap and warm water.
Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from excessive heat and open flames. Avoid temperatures above 120°F. Keep away from incompatible substances. Protect containers from physical damage. Keep away from children at all times!
Special Precautions: Spilled material may present a slipping hazard. Clean up all spills promptly.

Section 8: Exposure Controls/Personal Protection

These criteria have been published by the referenced authority to establish exposure limits in the work environment. Employee work areas should be monitored to ensure that permissible limits are not exceeded during the workday. These references do not coincide with product use. These references are meant to be in association with the manufacturing environment.

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
7722-84-1 Hydrogen Peroxide	1 ppm	1 ppm	1 ppm	1 ppm

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
Breathing equipment: Respiratory protection is not required for product use.
Protection of hands: Avoid skin contact due to sensitizing potential. Gloves should be worn when mixing kit components and applying mixture. For handling large quantities of material, such as in product manufacturing, nitrile or vinyl gloves should be considered for use. No other forms of special body protection are required under typical circumstances of use and handling.
Eye protection: Wear protective eyewear (safety glasses with side-shield) at all times when handling product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose special hazard, may absorb and concentrate irritants.

Section 9: Physical and Chemical Properties

Form: Liquid
Odor: None
Odor threshold: NA
pH: 3.5
Melting point/melting range: NA
Boiling point/boiling range: NA
Flash point: NA
Evaporation rate: NA
Flammability: NA
Upper/lower flammability or explosive limits: NA
Auto ignition temperature: NA
Danger of explosion: NA
Vapor pressure: NA
Vapor density: NA
Relative density: 1.0
Solubility in/Miscibility with water: Completely soluble in water

Section 10: Stability and Reactivity

Reactivity: No further relevant information available
Chemical stability: Stable under normal conditions; unstable with heat or contamination.
Conditions to avoid: Open flames, sparks and high heat, direct sunlight.
Hazardous decomposition products: Oxides of carbon and sulfur. Liberation of gas may result in dangerous pressure.
Incompatible Substances: Store away from flammable liquids, solids, aerosols and other incompatible materials such as reducing materials, combustible materials, metal contamination like iron, copper and their alloys. Avoid contamination. Do not story any tint, lightener lotion, or bleach powder after it has been mixed with developer, container may rupture. Never return unused material to original container. Avoid extreme heat and ignition sources.

Section 11: Toxicological Information

This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product but is not presented in this document
Acute toxicity: See section 4.
Potential routes of exposure/potential health effects
Skin: May cause an allergic skin reaction. Skin Irritation.
Eye: Causes serious eye damage.
Inhalation: Over-exposure may cause respiratory irritation.
Ingestion: Harmful is swallowed.
Carcinogenic effects: No carcinogenic effects in humans is known.
Mutagenic effects: No mutagenic effects in humans is known.
Reproductive toxicity: No reproductive toxicity in humans is known.
Target organs: Eyes, skin, ingestion.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: There is no specific data available for this product.
Mobility: There are no specific data available for this product.
Biodegradation: There are no specific data available for this product.
Bioaccumulation: There are no specific data available for this product.

Section 13: Disposal Considerations (non-mandatory)

Those responsible for the performance of disposal, recycling or reclamation activities should refer to Section 8 of this document for advice on personal protective equipment and exposure controls.
WASTE DISPOSAL CONTAINERS: Containers should be completely closed and meet applicable USDOT packaging specifications. Appropriate containers should be utilized which may include fiberboard boxes for products and plastic/lined drums for bulk liquids.
WASTE DISPOSAL METHOD: This product is ignitable (D001) RCRA hazardous wastes when intended for disposal. Physical and/or chemical deactivation at a hazardous waste facility is the recommended technology for treatment and disposal. This material must not be disposed through sewage.
RCRA HAZARD CLASS: D001
Follow all local governmental requirements intended for disposal.

Section 14: Transport Information (non-mandatory)

North American Ground Transportation
IN CONSUMER PACKAGING: Limited Quantity/Consumer Commodity (≤ 5 L).
UN ID Number: UN 2984
Proper Shipping Name: Hydrogen peroxide, aqueous solutions
Hazard Class: 5.1
Packing Group: III
Label Statements: Exempt – Limited Quantity Marking Only

OTHER THAN CONSUMER PACKAGING:
UN ID Number: UN 2984
Proper Shipping Name: Hydrogen peroxide, aqueous solutions
Hazard Class: 5.1
Packing Group: III
Label Statements: Oxidizer (Division 5.1)

Transport Via Water
IN CONSUMER PACKAGING: Limited Quantity
UN ID Number: UN 2984
Proper Shipping Name: Hydrogen peroxide, aqueous solutions
Hazard Class: 5.1
Packing Group: III
Label Statements: Exempt – Limited Quantity Marking Only

OTHER THAN CONSUMER PACKAGING:
UN ID Number: UN 2984
Proper Shipping Name: Hydrogen peroxide, aqueous solutions

Hazard Class: 5.1
Packing Group: III
Label Statements: Oxidizer (Division 5.1)

Transport Via Air (Domestic/International)
IN CONSUMER PACKAGING: Limited Quantity (≤ 5 L)
UN ID Number: UN 2984
Proper Shipping Name: Hydrogen peroxide, aqueous solutions
Hazard Class: 5.1
Packing Group: III
Label Statements: Exempt – Limited Quantity Marking Only & Oxidizer (Division 5.1)

OTHER THAN CONSUMER PACKAGING:
UN ID Number: UN 2984
Proper Shipping Name: Hydrogen peroxide, aqueous solutions
Hazard Class: 5.1
Packing Group: III
Label Statements: Oxidizer (Division 5.1)

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations
SARA Section 313 (specific toxic chemical listings): This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): N/A
TSCA (Toxic Substances Control Act): All components of this product are listed in the TSCA Inventory or are exempt.
Hydrogen Peroxide is found on the following state criteria list: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ)Pennsylvania Right-to-Know List (PA) and Washington Permissible Exposures List (WA).
California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defect, or any other reproductive harm.

Section 16: Other Information

Other Information: For external use only. Use only as directed. Discontinue use immediately if irritation develops Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). KEEP LOCKED UP AND OUT OF REACH OF CHILDREN. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy, If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness

Disclaimer: *This SDS has been prepared in accordance with the Globally Harmonized System of Chemical and Labeling of Chemicals (GHS) Fifth Edition and the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations*

are subject to change and the conditions of handling and use, or misuse are beyond our control; DeveloPlus Inc. makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered.

SDS date of preparation/update: 8/25/2020

SAFETY DATA SHEET

Section 1: Identification

Product Name: Splat Rebellious Colors (Complete Kits, Ombres, Midnights)
Other Product Identifiers: FSPK0002, FSPK0003, FSPK0003-B, FSPK0006, FSPK0016, FSPK0017, FSPK0017-B, FSPK0018, FSPK0018-B, FSPK0019, FSPK0019-B, FSPK0020, FSPK0021, FSPK0022, FSPK0022-B, FSPK0023, FSPK0033, FSPK0119, FSPK0037, FSPK0024, FSPK0025, FSPK0035, FSPK0036, FSPK0026, FSPK0080, FSPK0081, FSPK0081-B, FSPK0082, FSPK0119, FSPK0187
Product use: Hair Color using semi-permanent dyes
Company: DeveloPlus, Inc.

1575 Magnolia Ave.
Corona, CA 92879 U.S.A
Tel.: +1 951-738-8595
Fax: +1 951-738-8593
Web: www.developlus.com;

Hours of Operation

Monday-Friday 8.00 am – 5.00 pm (UTC-08:00)

Recommendations on use: Personal care product to be applied to hair to aid in coloring.
Restrictions on use: For external use only. Use only as directed. See product packaging/insert for skin allergy test conditions.

Section 2: Hazard(s) Identification

Hazard Classification: Eye Irritant Category 2B.
Signal Word(s): WARNING
Hazard Statements: Causes eye irritation.
Pictograms:

This material is a mixture and considered hazardous by the US Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200). Ingredients present at 1.0 % or greater which are classified individually as hazardous are indicated in Section 3. Ingredients present at 0.1% or greater which are classified individually as carcinogenic are indicated in Section 3.

Precautionary Statements: Keep out of reach of children. Read label before use. Causes serious eye damage. May cause an allergic skin reaction. Causes skin irritation. Wash eyes and all skin surfaces contacted thoroughly after handling. Harmful if swallowed. Over-exposure may cause respiratory irritation. Do not eat, drink or smoke when using this product. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy. If a severe allergic reaction should occur, seek immediate medical attention.
Description of other hazards: None

Section 3: Composition/ Information on Ingredients

Chemical characterization: Mixtures
Description: Mixture of the substances listed below with nonhazardous additions. Hazardous substances present at 1.0 % or greater are indicated. Substance which may be considered carcinogenic are listed if present at 0.1% or greater.

Only hazardous constituents associated with the product are listed below

Chemical Name	CAS#	Conc.
Benzyl Alcohol	100-51-6	0.1-5.0%

Section 4: First-Aid Measures

After skin contact: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) or sensitization in some sensitive individuals. Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation persists: Get medical attention. See product packaging/insert for additional information.
After eye contact: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing for at least 20 minutes or until material is sufficiently removed from the eye. If eye irritation persists: Get medical advice/attention if irritation or other symptoms occur.
After inhalation: Remove person to fresh air and keep in a position comfortable for breathing. Immediately call a Poison Control Center or doctor is person feels unwell.
After swallowing: If product is swallowed may cause nausea, vomiting and/or diarrhea. Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious individual. Immediately call a Poison Control Center or doctor.
Acute Health Effects: Moderate irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas.
Chronic Health Effects: No harmful or chronic health effects are expected to occur from a single accidental ingestion.

Section 5: Fire-Fighting Measures

This product is not flammable.
Suitable extinguishing agents: Use firefighting measures that suit the environment
Special protective equipment for firefighters: No special measures required.

Section 6: Accidental Release Measures

Personal precautions: Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
Measures for cleaning/collecting: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment (PPE). For small spills (e.g., < 1 gallon

(3.8 L)) or large spills (e.g., ≥ 1 gallon (3.8 L)), wear appropriate personal protective equipment (e.g., goggles, gloves). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash
thoroughly before reuse. Dispose contaminated material as waste according to item 13.

Section 7: Handling and Storage

Work & Hygiene Practices: Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not expose to heat and flame. Use only in ventilated areas. Keep out of the reach of children. Wash unintentional residues with soap and warm water.
Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Keep away from incompatible substances. Protect containers from physical damage. Keep away from children at all times!
Special Precautions: Spilled material may present a slipping hazard. Clean up all spills promptly.

Section 8: Exposure Controls/Personal Protection

These criteria have been published by the referenced authority to establish exposure limits in the work environment. Employee work areas should be monitored to ensure that permissible limits are not exceeded during the workday. These references do not coincide with product use. These references are meant to be in association with the manufacturing environment.

Chemical Name	OSHA PEL	OSHA PEL (ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
NA	NA	NA	NA	NA

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the skin.
Avoid contact with the eyes and skin.
Breathing equipment: Respiratory protection is not required for product use. For manufacturing of product, respiratory protection may be considered. Ensure that the respirator meets current local occupational health and safety standards. Organic vapor/acid gas cartridges should be utilized with filtering respiratory protection.
Protection of hands: Gloves should be worn when mixing kit components and applying mixture. For handling large quantities of material, such as in product manufacturing, nitrile or vinyl gloves should be considered for use. Tyvek clothing may also be suitable for handling large quantities of material in the manufacturing environment.
Eye protection: None required for product use. For handling of large quantities of liquid material, safety glasses with side shields/goggles are recommended.

Section 9: Physical and Chemical Properties

Form: Semi – viscous liquid
Odor: Fruity Floral
Odor threshold: NA
pH: 2.8
Melting point/melting range: NA
Boiling point/boiling range: NA
Flash point: NA
Evaporation rate: NA
Flammability: NA
Upper/lower flammability or explosive limits: NA
Auto ignition temperature: NA
Danger of explosion: NA
Vapor pressure: NA
Vapor density: NA
Relative density: 1.0
Solubility in/Miscibility with water: Soluble

Section 10: Stability and Reactivity

Reactivity: No further relevant information available
Chemical stability: Stable under normal conditions; unstable with heat or contamination
Conditions to avoid: No further relevant information available
Hazardous decomposition products: No dangerous decomposition products known

Section 11: Toxicological Information

This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product but is not presented in this document
Acute toxicity: Moderate irritation to eyes and skin near affected areas.
Potential routes of exposure/potential health effects
Skin: May cause an allergic skin reaction, skin Irritation for sensitive individuals.
Eye: Irritant.
Carcinogenic effects: No carcinogenic effects in humans is known.
Mutagenic effects: No mutagenic effects in humans is known.
Reproductive toxicity: No reproductive toxicity in humans is known.
Target organs: Primary irritant effect on eyes and skin.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: There is no specific data available for this product.
Mobility: There are no specific data available for this product.
Biodegradation: There are no specific data available for this product.
Bioaccumulation: There are no specific data available for this product.

Section 13: Disposal Considerations (non-mandatory)

As manufactured, this product does not exhibit any RCRA characteristics of hazardous waste. Controlled incineration at a licensed waste facility is the recommended technology for treatment and disposal. Material must not be disposed of through sewage.
Follow all local governmental requirements intended for disposal.

Section 14: Transport Information (non-mandatory)

DOT regulations: Not Regulated
Air transport ICAO-TI and IATA-DGR: Not Regulated

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations
SARA Section 313 (specific toxic chemical listings): This product does not contain any substances subject to SARA Title III, section 313 reporting requirements.
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): N/A
TSCA (Toxic Substances Control Act): All components of this product are listed in the TSCA Inventory or are exempt
California Prop. 65: This product does not contain any chemicals known to State of California to cause cancer, birth defect, or any other reproductive harm.

Section 16: Other Information

Other Information: WARNING! CAUSES EYE IRRITATION. For external use only. Use only as directed. Discontinue use immediately if irritation develops. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Keep container tightly closed when not in use. KEEP OUT OF REACH OF CHILDREN. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

Disclaimer: *This SDS has been prepared in accordance with the Globally Harmonized System of Chemical and Labeling of Chemicals (GHS) Fifth Edition and the OSHA Hazard Communication Standard [29 CFR 1910.1200]. The SDS information is based on sources believed to be reliable. Available data, safety standards, and government regulations are subject to change and the conditions of handling and use, or misuse are beyond our control; DeveloPlus Inc. makes no warranty, either expressed or implied, with respect to the completeness or continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. Additional information may be necessary or helpful for specific conditions and circumstances of use. It is the user's responsibility to determine the suitability of this product and to evaluate risks and exercise appropriate precautions for protection of employees and others prior to use. The*

information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered.

SDS date of revision: 5/16/2025
SDS date of preparation: 9/17/2024

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: UNIVERSAL BLUE BLEACH POWDER BLUEBERRY
Product code: 0021B

1.2. Relevant identified uses of the substance or mixture and uses advised against

Bleaching powder
Sectors of use:
Cosmetic industry
Product category:
Cosmetics, personal care products

Uses advised against
Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

Deimos S.r.l. - Viale Emilia 92/94, 20093, Cologno Monzese (MI)
Tel. +39 0289366500. E-mail: info@deimossrl.it. Internet: www.deimossrl.it
E-mail: regulatory@deimossrl.it

1.4. Emergency telephone number

Poison Help Line: 1-800-222-1222

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:
GHS03, GHS05, GHS07, GHS08

Hazard Class and Category Code(s):
Ox. Sol. 3, Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Eye Dam. 1, Resp. Sens. 1, STOT SE 3

Hazard statement Code(s):
H272 - May intensify fire; oxidiser.
H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation.

The product has oxidizing properties: can intensify fire.
The product can be corrosive to metals.
Harmful product: do not ingest.
Corrosive product: causes severe skin burns and eye damage.
If inhaled, the product causes irritations to the respiratory tract.

The product, if inhaled, can cause respiratory sensitization, and if brought into contact with skin can cause skin sensitization.
If brought into contact with eyes, the product causes serious damages, such as an opaque cornea or injury to iris.

2.1.2 Additional information:

For full text of Hazard statements: see SECTION 16.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):
GHS03, GHS05, GHS07, GHS08 - Danger

Hazard statement Code(s):
H272 - May intensify fire; oxidiser.
H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation.

Supplemental Hazard statement Code(s):
not applicable

Precautionary statements:
Prevention
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Response
P301+P312 - IF SWALLOWED: Call a POISON CENTER if you feel unwell.
P302+P352 - IF ON SKIN: Wash with plenty of water and soap.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Contains:
Potassium persulphate, Ammonium persulphate, Disodium metasilicate, Sodium silicate, Tetrasodium ethylene diamine tetraacetate, Sodium persulphate

2.3. Other hazards

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII.

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100.

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACh
Potassium persulphate	>= 30 < 50%	Ox. Sol. 3, H272; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; Resp. Sens. 1, H334; STOT SE 3, H335 ATE oral = 920 mg/kg ATE dermal > 2000 mg/kg ATE inhal > 2,95 mg/l/4 h	016-061-00-1	7727-21-1	231-781-8	01-2119495676-19
Disodium metasilicate	>= 10 < 20%	Met. Corr. 1, H290; Skin Corr. 1B, H314; STOT SE 3, H335 ATE dermal > 5000 mg/kg ATE inhal > 2,06 mg/l/4 h	014-010-00-8	6834-92-0	229-912-9	01-2119449811-37
Ammonium persulphate	>= 10 < 20%	Ox. Sol. 3, H272; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; Resp. Sens. 1, H334; STOT SE 3, H335 ATE oral = 700 mg/kg ATE dermal > 2000 mg/kg ATE inhal > 2,95 mg/l/4 h	016-060-00-6	7727-54-0	231-786-5	01-2119495973-19
Sodium silicate	>= 1 < 5%	Skin Corr. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335	ND	1344-09-8	215-687-4	01-2119448725-31
Tetrasodium ethylene diamine tetraacetate	>= 1 < 5%	Acute Tox. 4, H302; Eye Dam. 1, H318; Acute Tox. 4, H332; STOT RE 2, H373 ATE oral = 1780 mg/kg	607-428-00-2	64-02-8	200-573-9	01-2119486762-27
Sodium persulphate	>= 0,1 < 1%	Ox. Sol. 3, H272; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; Resp. Sens. 1, H334; STOT SE 3, H335 ATE oral = 920 mg/kg ATE dermal > 2000 mg/kg ATE inhal > 5,1 mg/l/4	ND	7775-27-1	231-892-1	01-2119495975-15

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACh
		h				
Ethyl acetate	>= 0,1 < 1%	EUH066; Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	607-022-00-5	141-78-6	205-500-4	01-2119475103-46

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:
Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated room. CALL A PHYSICIAN.
If breathing has stopped, give artificial respiration.

Direct contact with skin (of the pure product):
Take contaminated clothing immediately off.
Wash immediately with plenty of running water and possibly with soap, the areas of the body that have, or are only suspected to have, come in contact with the product.
In case of contact with skin, wash immediately with water and soap.
Consult a physician immediately.

Direct contact with eyes (of the pure product):
Wash immediately and thoroughly with running water, keeping eyelids open for at least 10 minutes, then protect your eyes with a dry sterile gauze. Seek medical advice immediately.
Do not use eye drops or ointments of any kind before the examination or advice from an oculist.

Ingestion:
The product is harmful and can cause irreversible damages even following a single exposure if swallowed.
Absolutely do not induce vomiting or emesis nor give anything to drink. Seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Call a POISON CENTER if you feel unwell.
If skin irritation or rash occurs: Get medical advice/attention.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:
Water spray, CO2, foam, dry chemical, depending on the materials involved in the fire.

Extinguishing means to avoid:
Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

The product itself is not combustible. Contact with combustible materials may intensify fires.
Cool endangered containers with water spray and move out of danger area, if possible.
Collect extinguishing water separately, it must not reach the sewage or ground waters.
Extinguishing water and combustion residues have to be collected separately and treated as special waste in accordance with local regulations.

Thermal decomposition products: carbon oxides, ammonia, nitrogen oxides, sulphur oxides.

5.3. Advice for firefighters

Use respiratory protection.
Safety helmet and full protective suit.
The spray water can be used to protect the people involved in the extinction
You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)
Cool the containers with jets of water.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:
Leave the area surrounding the spill or release. Do not smoke.
Wear mask, gloves and protective clothing.

6.1.2 For emergency responders:
Wear mask, gloves and protective clothing.
Eliminate all open flames and possible sources of ignition. Do not smoke.
Provision of sufficient ventilation.
Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spills.
Inform the competent authorities.
Discharge the remains in compliance with the regulations.

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:
Quickly collect the product wearing a mask and protective clothing.
Recover the product for reuse, if possible, or removal.

6.3.2 For cleaning up:
After collection, wash the affected area and materials with water.

6.3.3 Other information:
Nothing in particular.

6.4. Reference to other sections

Refer to sections 8 and 13 for more information.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid any friction with the product and any local overheating of the product. Provide proper extraction/ventilation on the workplace. Prevent electrostatic charges buildup.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
See also section 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in the original container closed tightly. Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Keep away from combustible materials.
Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.
Store in a cool (below 30°C) and dry place.
Prevent any contamination and do not store with any reducing agents such as styling lotions or permanents. Do not store the product after mixing it with developers or bleaching lotions.
Prevent any contact with humid organic materials such as paper towels, wood, clothes, etc.

7.3. Specific end use(s)

Cosmetic industry:
Store in a ventilated area and away from heat sources.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

Persulfates, as persulfate:
ACGIH TLV-TWA: 0,1 mg/m3

Ethyl acetate:
ACGIH TLV-TWA: 400 ppm; 1440 mg/m3

- Substance: Potassium persulphate
DNEL
Systemic effects Long term Workers dermal = 12,7 (mg/kg bw/day)
Systemic effects Long term Consumers dermal = 4,6 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 0,46 (mg/kg bw/day)
Systemic effects Short term Consumers oral = 1,37 (mg/kg bw/day)
Local effects Long term Workers inhalation = 0,824 (mg/m3)
Local effects Long term Consumers inhalation = 0,421 (mg/m3)
PNEC
Freshwater = 0,518 (mg/l)
Freshwater sediment = 2,03 (mg/kg/sediment)
Marine water = 0,052 (mg/l)
Marine water sediment = 0,203 (mg/kg/sediment)
STP = 3,6 (mg/l)
Soil = 0,1 (mg/kg soil)

- Substance: Ammonium persulphate
DNEL
Systemic effects Long term Workers dermal = 12,7 (mg/kg bw/day)
Systemic effects Long term Consumers dermal = 4,6 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 0,46 (mg/kg bw/day)
Systemic effects Short term Consumers oral = 1,37 (mg/kg bw/day)
Local effects Long term Workers inhalation = 0,824 (mg/m3)
Local effects Long term Consumers inhalation = 0,421 (mg/m3)
PNEC
Freshwater = 0,518 (mg/l)
Freshwater sediment = 2,03 (mg/kg/sediment)
Marine water = 0,052 (mg/l)
Marine water sediment = 0,203 (mg/kg/sediment)
STP = 3,6 (mg/l)
Soil = 0,1 (mg/kg soil)

- Substance: Disodium metasilicate
DNEL
Systemic effects Long term Workers inhalation = 6,22 (mg/m3)
Systemic effects Long term Workers dermal = 1,49 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 1,55 (mg/m3)
Systemic effects Long term Consumers dermal = 0,74 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 0,74 (mg/kg bw/day)
PNEC
Freshwater = 7,5 (mg/l)
Marine water = 1 (mg/l)
STP = 1000 (mg/l)

- Substance: Tetrasodium ethylene diamine tetraacetate
DNEL
Systemic effects Long term Workers inhalation = 1,5 (mg/m3)
Systemic effects Long term Consumers oral = 25 (mg/kg bw/day)
Systemic effects Short term Workers inhalation = 3 (mg/m3)
Local effects Long term Workers inhalation = 1,5 (mg/m3)
Local effects Long term Consumers inhalation = 0,6 (mg/m3)
Local effects Short term Workers inhalation = 3 (mg/m3)
Local effects Short term Consumers inhalation = 1,2 (mg/m3)
PNEC
Freshwater = 2,83 (mg/l)
Marine water = 0,283 (mg/l)
STP = 50 (mg/l)
Soil = 1,1 (mg/kg soil)

- Substance: Sodium silicate
DNEL
Systemic effects Long term Workers inhalation = 5,61 (mg/m3)
Systemic effects Long term Workers dermal = 1,59 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 1,38 (mg/m3)
Systemic effects Long term Consumers dermal = 0,8 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 0,8 (mg/kg bw/day)
PNEC
Freshwater = 7,5 (mg/l)
Marine water = 1 (mg/l)
STP = 348 (mg/l)

- Substance: Sodium persulphate
DNEL
Systemic effects Long term Workers dermal = 12,7 (mg/kg bw/day)
Systemic effects Long term Consumers dermal = 4,6 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 0,46 (mg/kg bw/day)
Systemic effects Short term Consumers oral = 1,37 (mg/kg bw/day)
Local effects Long term Workers inhalation = 0,824 (mg/m3)
Local effects Long term Consumers inhalation = 0,421 (mg/m3)
PNEC
Freshwater = 0,518 (mg/l)
Freshwater sediment = 2,03 (mg/kg/sediment)
Marine water = 0,052 (mg/l)
Marine water sediment = 0,203 (mg/kg/sediment)
STP = 3,6 (mg/l)
Soil = 0,1 (mg/kg soil)

- Substance: Ethyl acetate
DNEL
Systemic effects Long term Workers inhalation = 734 (mg/m3)
Systemic effects Long term Workers dermal = 63 (mg/kg bw/day)
Systemic effects Long term Consumers inhalation = 367 (mg/m3)
Systemic effects Long term Consumers dermal = 37 (mg/kg bw/day)
Systemic effects Long term Consumers oral = 4,5 (mg/kg bw/day)
Systemic effects Short term Workers inhalation = 1468 (mg/m3)
Systemic effects Short term Consumers inhalation = 734 (mg/m3)
Local effects Long term Workers inhalation = 734 (mg/m3)
Local effects Long term Consumers inhalation = 367 (mg/m3)
Local effects Short term Workers inhalation = 1468 (mg/m3)
Local effects Short term Consumers inhalation = 734 (mg/m3)
PNEC
Freshwater = 0,24 (mg/l)
Freshwater sediment = 1,15 (mg/kg/sediment)
Marine water = 0,024 (mg/l)
Marine water sediment = 0,115 (mg/kg/sediment)
Food chain = 200 (mg/kg)
STP = 650 (mg/l)
Soil = 0,148 (mg/kg soil)

8.2. Exposure controls

Appropriate engineering controls:
Cosmetic industry:
No specific monitoring foreseen.

Individual protection measures:

(a) Eye / face protection
When handling the pure product use safety glasses (spectacles cage) (EN 166).

(b) Skin protection

(i) Hand protection
When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)

(ii) Other
When handling the pure product wear full protective skin clothing.

(c) Respiratory protection
Use adequate protective respiratory equipment (EN 14387)

(d) Thermal hazards
No hazard to report

Environmental exposure controls:
Use according to good working practices to avoid pollution into the environment.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Physical state	powder	
Colour	blue	
Odour	blueberry	
Odour threshold	not determined	
Melting point/freezing point	not determined	
Boiling point or initial boiling point and boiling range	not determined	
Flammability	nonflammable	
Lower and upper explosion limit	irrelevant	
Flash point	irrelevant	
Auto-ignition temperature	not determined	
Decomposition temperature	65°C	
pH	9,5-11 (1 % water dispersion)	
Kinematic viscosity	irrelevant	
Solubility(ies)	not determined	
Water solubility	partially soluble	
Partition coefficient n-octanol/water (log value)	irrelevant	
Vapour pressure	irrelevant	
Density and/or relative density	not determined	
Relative vapour density	irrelevant	
Particle characteristics	not determined	

9.2. Other information

9.2.1 Information with regard to physical hazard classes

a)Explosives

i)sensitivity to shock
Irrilevant

ii)effect of heating under confinement
Irrilevant

iii)effect of ignition under confinement
Irrilevant

iv)sensitivity to impact
Irrilevant

v)sensitivity to friction
Irrilevant

vi)thermal stability
Irrilevant

vii)package
Irrilevant

b)Flammable gases

i)Tci / explosion limits
Irrilevant

ii)fundamental burning velocity
Irrilevant

c)Aerosols
Irrilevant

d)Oxidising gases
Irrilevant

e)Gases under pressure
Irrilevant

f)Flammable liquids
Irrilevant

g)Flammable solids

i)burning rate, or burning time as regards metal powders
Irrilevant

ii)statement on whether the wetted zone has been passed
Irrilevant

h)Self-reactive substances and mixtures

i)decomposition temperature
Irrilevant

ii)detonation properties
Irrilevant

iii)deflagration properties
Irrilevant

iv)effect of heating under confinement
Irrilevant

v)explosive power, if applicable
Irrilevant

i)Pyrophoric liquids
Irrilevant

j)Pyrophoric solids

i)statement on whether spontaneous ignition occurs when poured or within five minutes thereafter, as regards solids in powder form
Irrilevant

ii)statement on whether pyrophoric properties could change over time
Irrilevant

k)Self-heating substances and mixtures

i)statement on whether spontaneous ignition occurs and the maximum temperature rise obtained
Irrilevant

ii)results of screening tests referred to in section 2.11.4.2 of Annex I to Regulation (EC) No 1272/2008, if relevant and available
Irrilevant

l)Substances and mixtures, which emit flammable gases in contact with water. The following information may be provided

i)identity of the emitted gas, if known
Irrilevant

ii)statement on whether the emitted gas ignites spontaneously
Irrilevant

iii)gas evolution rate
Irrilevant

m)Oxidising liquids
Irrilevant

n)Oxidizing solids
Oxidising solid category 3

o)Organic peroxides

i)decomposition temperature
Irrilevant

ii)detonation properties
Irrilevant

iii)deflagration properties
Irrilevant

iv)effect of heating under confinement
Irrilevant

v)explosive power
Irrilevant

p)Corrosive to metals

i)metals that are corroded by the substance or mixture
Irrilevant

ii)corrosion rate and statement on whether it refers to steel or aluminium
Irrilevant

iii)reference to other sections of the safety data sheet with regard to compatible or incompatible materials
Irrilevant

q)Desensitised explosives

i)desensitising agent used
Irrilevant

ii)exothermic decomposition energy
Irrilevant

iii)corrected burning rate (Ac)
Irrilevant

iv)explosive properties of the desensitised explosive in that state
Irrilevant

9.2.2 Other safety characteristics

a) mechanical sensitivity
Irrilevant

b) self-accelerating polymerisation temperature
Irrilevant

c) formation of explosible dust/air mixtures
Irrilevant

d) acid/alkaline reserve
Irrilevant

e) evaporation rate
Irrilevant

f) miscibility
Irrilevant

g) conductivity
Irrilevant

h) corrosiveness
Irrilevant

i) gas group
Irrilevant

j) redox potential
Irrilevant

k) radical formation potential
Irrilevant

l) photocatalytic properties
Irrilevant

SECTION 10. Stability and reactivity

10.1. Reactivity

The product is stable in safety conditions, up to 65°C; above this temperature it gradually decomposes and releases small quantities of oxygen and ammonia. At about 150°C, the product undergoes faster and self-accelerating decomposition and releases oxygen, which may cause serious accidents (fire). Humidity is a very important factor, because uncontrolled and instable product humidity may considerably reduce the decomposition temperature.

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

No hazardous reactions expected.

10.4. Conditions to avoid

Keep away from heat and sources of ignition, humidity, reducing agents such as permanent styling lotions. Avoid impacts, friction, electrostatic charges.

10.5. Incompatible materials

Acids, alkali, metals, combustible and flammable substances.
Do not use metal bowls/capsules or stirrers.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

ATE(mix) oral = 1767,6 mg/kg
ATE(mix) dermal = ∞
ATE(mix) inhal = 75,0 mg/l/4 h

(a) acute toxicity: Harmful product: do not ingest

Potassium persulphate:

Acute oral toxicity
OECD 401
Rat - Sprague-Dawley
LD50: 920 mg/kg

Acute dermal toxicity
EPA OPP 81-2
Rat - Sprague-Dawley
LD50: > 2000 mg/kg

Acute inhalation toxicity (dusts)
EPA OPP 81-3
Ratto - Sprague-Dawley
LC50: > 2,95 mg/L/4h

Disodium metasilicate:
Acute dermal toxicity
EPA OPPTS 870.1200
Rat - Sprague-Dawley
LD50: > 5000 mg/kg

Acute inhalation toxicity (dusts)
EPA OPPTS 870.1300
Rat - Sprague-Dawley
LC50: > 2,06 mg/L/4h

Ammonium persulphate:
Acute oral toxicity
OECD 401
Rat - Sprague-Dawley
LD50: 700 mg/kg

Acute dermal toxicity
EPA OPP 81-2
Rat - Sprague-Dawley
LD50: > 2000 mg/kg

Acute inhalation toxicity (dusts)
EPA OPP 81-3
Rat - Sprague-Dawley
LC50: > 2,95 mg/L/4h

Sodium silicate:
Acute oral toxicity
OECD 401
Rat - Wistar
LD50: > 2000 mg/kg

Acute dermal toxicity
EPA OPPTS 870.1200
Rat - Sprague-Dawley
LD50: > 5000 mg/kg

Acute inhalation toxicity (dusts)
EPA OPPTS 870.1300
Rat - Sprague-Dawley
LC50: > 2,06 mg/L/4h

Tetrasodium ethylene diamine tetraacetate:

Acute oral toxicity
OECD 401
Rat - Wistar
LD50: 1780 mg/kg

Acute inhalation toxicity (aerosol)
OECD 412
Rat - Wistar
LC50: 30 mg/m3/6h

Sodium persulphate:
Acute oral toxicity
OECD 401
Rat - Sprague-Dawley
LD50: 920 mg/kg

Acute dermal toxicity
EPA OPP 81-2
Rat - Sprague-Dawley
LD50: > 2000 mg/kg

Acute inhalation toxicity (dusts)
EPA OPP 81-3
Rat - Sprague-Dawley
LC50: > 5,1 mg/L/4h

(b) skin corrosion/irritation: Corrosive product: causes severe skin burns and eye damage.

Disodium metasilicate:
Causes severe skin burns and eye damage as per Annex VI of the CLP Regulation.

Potassium persulphate:
Skin irritation/corrosion
OECD 404
Rabbit - Albino - White Russian
Result: irritant

Sodium silicate:
Skin irritation/corrosion
OECD 404
Rabbit
Result: irritating

Sodium persulphate:
Skin irritation/corrosion
OECD 404
Rabbit - Albino - White Russian
Result: irritant

(c) serious eye damage/irritation: Corrosive product: causes severe skin burns and eye damage. - If brought into contact with eyes, the product causes serious damages to eyes, such as an opaque cornea or injury to iris.

Disodium metasilicate:
Causes severe skin burns and eye damage as per Annex VI of the CLP Regulation.

Tetrasodium ethylene diamine tetraacetate:
Eye irritation/corrosion
OECD 405
Rabbit - Vienna White

Result: causes serious eye damage

(d) respiratory or skin sensitisation: The product, if inhaled, can cause respiratory sensitization, and if brought into contact with skin can cause skin sensitization.

Potassium persulphate:
Skin sensitisation
OECD 406
Guinea pig - Pirbright White
Result: sensitizing

Ammonium persulphate:
Skin sensitisation
OECD 406
Guinea pig - Pirbright White
Result: sensitizing

Sodium persulphate:
Skin sensitisation
OECD 406
Guinea pig - Pirbright White
Result: sensitizing

(e) germ cell mutagenicity: based on available data, the classification criteria are not met
(f) carcinogenicity: based on available data, the classification criteria are not met
(g) reproductive toxicity: based on available data, the classification criteria are not met
(h) specific target organ toxicity (STOT) single exposure: If inhaled the product, causes irritations to the respiratory tract.
(i) specific target organ toxicity (STOT) repeated exposure:

Tetrasodium ethylene diamine tetraacetate: Repeated dose toxicity by inhalation (90 d)
OECD 413
Ratto - Wistar
NOAEC: 3 mg/m3
LOAEC: 15 mg/m3
Target organ: respiratory tract

(j) aspiration hazard: based on available data, the classification criteria are not met

11.2. Information on other hazards

No data available.

11.2.1. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100.

SECTION 12. Ecological information

12.1. Toxicity

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

Related to contained substances:
Tetrasodium ethylene diamine tetraacetate:
Inherently biodegradable.

12.3. Bioaccumulative potential

Related to contained substances:
Tetrasodium ethylene diamine tetraacetate:
BCF: 1,8 L/kg

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Based on the available data, no PBT or vPvB substances are present in accordance with Regulation (EC) 1907/2006, annex XIII.

12.6. Endocrine disrupting properties

Based on available data, there are no substances that interfere with the Endocrine System in accordance with Regulation (EU) 2017/2100.

12.7. Other adverse effects

No adverse effects.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies. Recover if possible. Operate according to local or national regulations.

Waste Code: D001, D002 RCRA

SECTION 14. Transport information

14.1. UN number or ID number

ADR/RID/IMDG/ICAO-IATA: 3085

If subject to the following characteristics is ADR exempt:
Combination packagings: per inner packaging 5 kg per package 30 kg
Inner packagings placed in skrink-wrapped or stretch-wrapped trays: per inner packaging 5 kg per package 20 kg

14.2. UN proper shipping name

ADR/RID/IMDG: OXIDIZING SOLID, CORROSIVE, N.O.S. (Potassium persulphate, Disodium metasilicate)
ICAO-IATA: OXIDIZING SOLID, CORROSIVE, N.O.S. (Potassium persulphate, Disodium metasilicate)

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class: 5.1
ADR/RID/IMDG/ICAO-IATA: Label: 5.1 + 8
ADR: Tunnel restriction code: E
ADR/RID/IMDG/ICAO-IATA: Limited quantities: 5 kg
IMDG - EmS: F-A, S-Q

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: III

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous
IMDG: Marine pollutant: No

14.6. Special precautions for user

The transport must be carried out by vehicles authorized for the transport of dangerous goods according to the provisions of the current edition of the ADR Agreement and the applicable national provisions.
Transportation must be carried out in the original packaging and, in any case, in packaging that is made of materials that cannot be attacked by the contents and are not likely to generate dangerous reactions with them.
Loading and unloading operators must have received appropriate training on the risks presented by dangerous goods and on any procedures to be adopted in case of emergency situations.

14.7. Maritime transport in bulk according to IMO instruments

It is not intended to be carried in bulk.

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso category:
P8 - OXIDISING LIQUIDS AND SOLIDS

REGULATION (EU) No 1357/2014 - waste:
HP2 - Oxidising
HP5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP8 - Corrosive
HP13 - Sensitising

Substances in the Candidate List (REACH Article 59)
Based on available data, no SVHC substances are present.

15.2. Chemical safety assessment

No chemical safety assessment was performed.

SECTION 16. Other information

16.1. Other information

Description of the hazard statements listed in section 3
H272 = May intensify fire; oxidiser.
H302 = Harmful if swallowed.
H315 = Causes skin irritation.
H317 = May cause an allergic skin reaction.
H319 = Causes serious eye irritation.
H334 = May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 = May cause respiratory irritation.
H290 = May be corrosive to metals.
H314 = Causes severe skin burns and eye damage.
H318 = Causes serious eye damage.
H332 = Harmful if inhaled.
H373 = May cause damage to organs through prolonged or repeated exposure .
H225 = Highly flammable liquid and vapour.
H336 = May cause drowsiness or dizziness.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008

H272-May intensify fire; oxidiser.Classification procedure:On basis of test data
H290-May be corrosive to metals.Classification procedure:On basis of test data
H302-Harmful if swallowed.Classification procedure:Calculation method
H314-Causes severe skin burns and eye damage.Classification procedure:Calculation method
H317-May cause an allergic skin reaction.Classification procedure:Calculation method
H318-Causes serious eye damage.Classification procedure:Calculation method
H334-May cause allergy or asthma symptoms or breathing difficulties if inhaledClassification procedure:Calculation method
H335-May cause respiratory irritation.Classification procedure:Calculation method

GENERAL BIBLIOGRAPHY:
- Council Regulation (EC) 1907/2006 of the European Parliament (REACH)
- Regulation (EC) 1272/2008 of the European Parliament (CLP) and subsequent updates
- Council Regulation (EC) no 758/2013 of the European Parliament
- Regulation (EC) no 2020/878 of the European Parliament
- Regulation (EC) No 528/2012 European Parliament and subsequent updates
- Commission Regulation (EC) No 790/2009 of 10 August 2009
- Commission Regulation (EU) No 286/2011 of 10 March 2011
- Commission Regulation (EU) No 618/2012 of 10 July 2012
- Commission Regulation (EU) No 487/2013 of 8 May 2013
- Council Regulation (EU) No 517/2013 of 13 May 2013
- Commission Regulation (EU) No 758/2013 of 7 August 2013
- Commission Regulation (EU) No 944/2013 of 2 October 2013
- Commission Regulation (EU) No 605/2014 of 5 June 2014
- Commission Regulation (EU) 2015/491 of 23 March 2015
- Commission Regulation (EU) No 1297/2014 of 5 December 2014- Council Regulation (EC) 648/2004 of the European Parliament and subsequent updates
- The Merck Index
- Handling Chemical Safety

- Niosh Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique
- Patty-Industrial Hygiene and Toxicology
- N.I. Sax-Dangerous properties of Industrial Materials-7 Ed., 1989

Note to the user:
The information contained in this safety data sheet is based on the knowledge available to us on the date of the last version.
The user must ensure the suitability and completeness of the information in relation to the specific use of the product.
This document should not be interpreted as a guarantee of any specific property of the product.
Since the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under his own responsibility. No responsibility is assumed for improper use.

This revision of this safety data sheet replaces and cancels all the previous ones