

SAFETY DATA SHEET

Revision Date 15-Dec-2015

Version 1

1. IDENTIFICATION

Product identifier

Product Name SPA ESSENTIALS QUICK CLEAR

Other means of identification

Product Code H4983

UN/ID no. UN3260

Recommended use of the chemical and restrictions on use

Recommended Use Spa Product.

Uses advised against Do not mix with other chemicals

Details of the supplier of the safety data sheet

Supplier Address

KIK HOLDCO COMPANY INC.

33 MacIntosh Blvd,

Concord, ON L4K 4L5

1-888-640-7946

Emergency telephone number

Emergency Telephone Canutec (Transportation) 1-613-996-6666 (Call Collect)

Poison Control Center (Medical) : (877) 800-5553

2. HAZARDS IDENTIFICATION

Classification

This mixture is classified as hazardous according to the Global Harmonized System (GHS)

| | |
|--|---------------------------|
| Acute toxicity - Oral | Category 4 |
| Acute toxicity - Dermal | Category 4 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Skin corrosion/irritation | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1 |
| Respiratory sensitization | Category 1 |
| Skin sensitization | Category 1 |
| Specific target organ toxicity (single exposure) | Category 3 |

Label elements

Emergency Overview

Danger

Hazard statements

Causes severe skin burns and eye damage

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction

May cause respiratory irritation

Harmful if swallowed

Harmful in contact with skin



Color white

Physical state Solid

Odor Odorless

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Wear protective gloves/protective clothing/eye protection/face protection
 Use only outdoors or in a well-ventilated area
 Do not breathe dust/fume/gas/mist/vapors/spray
 In case of inadequate ventilation wear respiratory protection
 Contaminated work clothing should not be allowed out of the workplace

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
 Call a POISON CENTER or doctor/physician if you feel unwell
 Wash contaminated clothing before reuse
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 If skin irritation or rash occurs: Get medical advice/attention
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician if you feel unwell
 Immediately call a POISON CENTER or doctor/physician
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 Rinse mouth
 Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
 Store in a well-ventilated place. Keep container tightly closed
 Keep out of reach of children

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Not applicable

Other Information

45% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| Chemical Name | CAS No. | Weight-% |
|--------------------------------------|------------|----------|
| potassium hydrogenperoxomonosulphate | 10058-23-8 | 43 |
| potassium sulfate | 7778-80-5 | 29 |
| potassium hydrogensulphate | 7646-93-7 | 23 |
| dipotassium peroxodisulphate (Dust) | 7727-21-1 | 3 |
| magnesium carbonate | 546-93-0 | 2 |

4. FIRST AID MEASURES

Description of first aid measures

| | |
|---|--|
| General advice | If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. |
| Eye contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. Call a physician. |
| Skin contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is not required. If skin irritation persists, call a physician. |
| Inhalation | Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Oxygen or artificial respiration if needed. If symptoms persist, call a physician. |
| Ingestion | Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. |
| Self-protection of the first aider | Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|---|
| Note to physicians | Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat symptomatically. |
|---------------------------|---|

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water.

| | |
|---------------------------------------|--|
| Unsuitable extinguishing media | Do not use carbon dioxide or other gas-filled fire extinguishers; they will have no effect on decomposing persulfates. |
|---------------------------------------|--|

Specific hazards arising from the chemical

Will release oxygen when heated, intensifying a fire. Acidic mist may be present; self contained breathing apparatus should be used. In the event of fire and/or explosion do not breathe fumes. May cause sensitization in susceptible persons. Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Environmental precautions

Environmental precautions Do not allow into any sewer, on the ground or into any body of water. Should not be released into the environment. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe dust/fume/gas/mist/vapors/spray. Wash contaminated clothing before reuse. Do not mix with other chemicals. Use only in well-ventilated areas.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

Incompatible materials Strong acids. Do not mix with other swimming pool/spa chemicals in their concentrated forms. Avoid contact with water on concentrated material in the container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---------------------------------------|--|--|
| dipotassium peroxodisulphate (Dust) 7727-21-1 | TWA: 0.1 mg/m ³ Persulfate | - | - |
| magnesium carbonate 546-93-0 | - | TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction | TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust |

NIOSH IDLH *Immediately Dangerous to Life or Health*

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Minimize exposure by partial enclosure of the operation or equipment and provide extract ventilation at openings.

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------------|--|
| Eye/face protection | Wear safety glasses with side shields (or goggles). |
| Skin and body protection | Wear protective gloves and protective clothing. |
| Respiratory protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| General Hygiene Considerations | When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Wear suitable gloves and eye/face protection. |

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | | | |
|-------------------------------|----------------------------|-------------------------|--------------------------|
| Physical state | Solid | Odor | Odorless |
| Appearance | dry, free flowing granules | Odor threshold | No information available |
| Color | white | | |
| Property | Values | Remarks • Method | |
| pH | 2.3 | in 1% Solution | |
| Melting point/freezing point | No information available | | |
| Boiling point / boiling range | No information available | | |
| Flash point | No information available | | |
| Evaporation rate | No information available | | |
| Flammability (solid, gas) | No information available | | |
| Flammability Limit in Air | | | |
| Upper flammability limit: | No information available | | |
| Lower flammability limit: | No information available | | |
| Vapor pressure | No information available | | |
| Vapor density | No information available | | |
| Specific Gravity | No information available | | |
| Water solubility | Soluble in water | | |
| Solubility in other solvents | No information available | | |
| Partition coefficient | No information available | | |
| Autoignition temperature | No information available | | |
| Decomposition temperature | No information available | | |
| Kinematic viscosity | No information available | | |
| Dynamic viscosity | No information available | | |
| Density | 1.1 - 1.4 | g/cm3 | |
| Bulk density | No information available | | |
| Explosive properties | No information available | | |
| Oxidizing properties | No information available | | |

Other Information

| | |
|-------------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | No information available |

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight. Protect from moisture.

Incompatible materials

Strong acids. Do not mix with other swimming pool/spa chemicals in their concentrated forms. Avoid contact with water on concentrated material in the container.

Hazardous Decomposition ProductsCarbon dioxide (CO₂). Oxygen.**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

| | |
|---------------------|---|
| Inhalation | May cause irritation of respiratory tract. |
| Eye contact | Risk of serious damage to eyes. Causes burns. |
| Skin contact | Causes burns. Harmful in contact with skin. |
| Ingestion | Harmful if swallowed. |

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|--------------------------|-----------------|
| potassium sulfate 7778-80-5 | = 6600 mg/kg (Rat) | - | - |
| potassium hydrogensulphate 7646-93-7 | = 2340 mg/kg (Rat) | - | - |
| dipotassium peroxodisulphate (Dust) 7727-21-1 | = 802 mg/kg (Rat) | > 10000 mg/kg (Rabbit) | - |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|---------------------------------|---|
| Sensitization | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | No information available. |
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Chronic toxicity | Avoid repeated exposure. Repeated contact may cause allergic reactions in very susceptible persons. |
| Target Organ Effects | Eyes, Respiratory system, Skin. |
| Aspiration hazard | No information available. |

Numerical measures of toxicity - Product Information

| | |
|------------------------|-----------------------------|
| Oral LD50 | 500 mg/kg (rat) |
| Dermal LD50 | > 2000 mg/kg (rat) > 5 mg/l |
| Inhalation LC50 | |

12. ECOLOGICAL INFORMATION**Ecotoxicity**

71% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|--------------------------------|---|---|--------------------------------------|
| potassium sulfate 7778-80-5 | 2900: 72 h Desmodesmus subspicatus mg/L EC50 | 653: 96 h Lepomis macrochirus mg/L LC50 3550: 96 h Lepomis | 890: 48 h Daphnia magna mg/L EC50 |

| | | | |
|--|--|---|--|
| | | macrochirus mg/L LC50 static 510 - 880: 96 h Pimephales promelas mg/L LC50 static | |
|--|--|---|--|

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods**Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container. Refer to all federal, state and local regulations prior to disposal of container and unused contents by reuse, recycle or disposal.

14. TRANSPORT INFORMATION

Note:

Limited quantity (LQ) exception is possible

DOT

| | |
|--|---|
| UN/ID no. | UN3260 |
| Proper shipping name | Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate compound) |
| Hazard Class | 8 |
| Packing Group | II |
| Description | UN3260, Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate compound), 8, II |
| Emergency Response Guide Number | 154 |

TDG

| | |
|-----------------------------|---|
| UN/ID no. | UN3260 |
| Proper shipping name | Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate compound) |
| Hazard Class | 8 |
| Subsidiary class | II |
| Description | UN3260, Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate compound), 8, II |

IATA

| | |
|-----------------------------|---|
| UN/ID no. | UN3260 |
| Proper shipping name | Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate compound) |
| Hazard Class | 8 |
| Packing Group | II |
| Description | UN3260, Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate compound), 8, II |

IMDG

| | |
|-----------------------------|--|
| UN/ID no. | UN3260 |
| Proper shipping name | Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate compound) |
| Hazard Class | 8 |
| Packing Group | II |
| EmS-No. | F-A, S-B |

Description UN3260, Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate compound), 8, II
Marine pollutant No

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
DSL/NDSL Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | Yes |
| Fire hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Canada

PCP Registration Number This product does not contain any substances regulated as pesticides. / Ce produit ne contient aucune substance réglementée comme un pesticide.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

| | | | | |
|--------------------|--------------------------|-----------------------|---------------------------|---|
| <u>NFPA</u> | Health hazards 3 | Flammability 0 | Instability 1 | Physical and Chemical Properties - |
| <u>HMIS</u> | Health hazards 3* | Flammability 0 | Physical hazards 1 | Personal protection X |

Prepared By Regulatory Affairs
Revision Date 15-Dec-2015
Revision Note No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet