Conforms: GHS (rev 3)(2009)
(This Safety Data Sheet conforms to the requirements of the Hazard Communication Standard (HCS) (29 CFR 1910.1200(g)), revised in 2012.) - United States

| | | |
|---|---|---|
| **Date of issue/ Date of revision** | : | 03/26/2015 |
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| **Version** | : | 1.0 |

# SAFETY DATA SHEET

**Unika Kali**

## Section 1. Identification

| | | |
|---|---|---|
| **Product name** | : | Unika Kali |
| **Other means of identification** | : | Potassium nitrate |
| **Product type** | : | Solid (prills) |
| **Product code** | : | PZ105Q |

**Uses**

| | | |
|---|---|---|
| **Area of application** | : | Professional applications |
| **Material uses** | : | Fertilizers. |

**Supplier**

| | | |
|---|---|---|
| **Supplier's details** | : | Yara North America, Inc. |

**Address**

| | | |
|---|---|---|
| **Street** | : | 100 North Tampa Street, Suite 3200 |
| **Postal code** | : | 33602 |
| **City** | : | TAMPA |
| **Country** | : | United States |
| **Telephone number** | : | +1 813 222 5700 |
| **Fax no.** | : | +1 813 875 5735 |
| **e-mail address of person responsible for this SDS** | : | yna-hesq@yara.com |
| **Emergency telephone number (with hours of operation)** | : | US: Chemtrec 24-hours Emergency Response: 1-800-424-9300<br>Canada: 24 Hour Emergency Service, (Canutec 613-996-6666) |

**National advisory body/Poison Center**

| | | |
|---|---|---|
| **Name** | : | The National Poisons Emergency number |
| **Telephone number** | : | 1 800 222 1222 |

## Section 2. Hazards identification

| | | |
|---|---|---|
| **OSHA/HCS status** | : | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). |

**Classification and labelling have been performed following the guidelines and recommendation of GHS and the intended use.**

| | | |
|---|---|---|
| **Classification of the substance or mixture** | : | TOXIC TO REPRODUCTION (Fertility, Unborn child) - Category 1B<br>OXIDIZING SOLIDS - Category 3 |

**GHS label elements**

**Hazard pictograms** :

**Signal word** : Danger

**Hazard statements** : May damage fertility or the unborn child.
May intensify fire; oxidizer.

**Precautionary statements**

**Prevention** : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store away from combustible materials and chemicals. Wear protective gloves/clothing and eye/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**Response** : IF exposed or concerned: Get medical attention.
In case of fire: Use flooding quantities of water to extinguish.

**Disposal** : Dispose of contents and container according to local regulations.

**Hazards not otherwise classified** : Product forms slippery surface when combined with water.

# Section 3. Composition/information on ingredients

**Substance/mixture** : Substance

**CAS number/other identifiers**

**Other means of identification** : Potassium nitrate

| Product / ingredient name | CAS number | % |
|---|---|---|
| Nitric acid potassium salt | CAS: 7757-79-1 | >=90 - <100 |
| Nitric acid sodium salt (1:1) | CAS: 7631-99-4 | >=5 - <7 |
| Boric acid (H3BO3) | CAS: 10043-35-3 | >=0.3 - <1 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**
**Occupational exposure limits, if available, are listed in Section 8.**

# Section 4. First aid measures

**Description of necessary first aid measures**

**Eye contact** : Rinse with plenty of running water. Check for and remove any contact lenses. Get medical attention if irritation occurs.

**Inhalation** : If inhaled, remove to fresh air. Get medical attention.

**Skin contact** : Wash with soap and water. Continue to rinse for at least 10 minutes. Get medical attention.

**Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

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

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Eye contact** : No specific data.

**Inhalation** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

**Skin contact** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

**Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Specific treatments** : No specific treatment.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

**See toxicological information (section 11)**

# Section 5. Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing media** : Use flooding quantities of water for extinction.

**Unsuitable extinguishing media** : Do NOT use chemical extinguisher or foam or attempt to smother the fire with steam or sand.

**Specific hazards arising from the chemical** : Oxidizing material. May intensify fire. The product itself is not combustible but it can support combustion, even in absence of

air. On heating it melts and further heating can cause decomposition, releasing toxic fumes containing nitrogen oxides. It has high resistance to detonation. Heating under strong confinement can lead to explosive behaviour.

**Hazardous thermal decomposition products** : Avoid breathing dusts, vapors or fumes from burning materials.
In case of inhalation of decomposition products in a fire, symptoms may be delayed.

**Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Remark** : Non-flammable.

**Remark** : None.

# Section 6. Accidental release measures

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

**For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and material for containment and cleaning up**

**Small spill** : Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

# Section 7. Handling and storage

**Precautions for safe handling**

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all

safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Keep away from: organic materials, oil and grease.

# Section 8. Exposure controls/personal protection

**Control parameters**

**Occupational exposure limits**

| Ingredient name | Exposure limits |
|---|---|
| Boric acid (H3BO3) | **ACGIH TLV (2005-01-01)** TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 2 mg/m3 Form: Inhalable fraction<br>**ACGIH TLV (2005-01-01)** TLV-STEL: Threshold Limit Value - Short Time Exposure Level 6 mg/m3 Form: Inhalable fraction |

**Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures** : A washing facility or water for eye and skin cleaning purposes should be present.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.

**Skin protection**

**Hand protection** : Chemical-resistant, impervious gloves complying with an

approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

**Appearance**

**Physical state** : Solid [prills]
**Color** : White.
**Odor** : Odorless.
**Odor threshold** : Not determined.
**pH** : 6 - 9 [Conc.: 50 g/l]

**Melting/freezing point** : 335 °C (635.00 °F)

**Boiling/condensation point** : > 600 °C (1112.00 °F)

**Sublimation temperature** : Not determined.
**Flash point** : Not applicable

**Evaporation rate** : Not determined.
**Flammability** : Non-flammable.

**Lower and upper explosive (flammable) limits** : **Lower:** Not determined. **Upper:** Not determined.
**Vapor pressure** : Not determined.
**Density** : 2.1 g/cm3 @ 20 °C (68.00 °F)

**Relative density** : Not determined.
**Solubility** : Not determined.
**Solubility in water** : > 100 g/l @ 20 °C (68.00 °F)

**Partition coefficient: n-octanol/water** : Not determined.
**Auto-ignition temperature** : Not determined.
**Decomposition temperature** : Not determined.
**Viscosity** : **Dynamic:** Not determined.
: **Kinematic:** Not determined.
**Explosive properties** : None.
**Oxidizing properties** : Not determined.

## Section 10. Stability and reactivity

**Reactivity** : No specific test data related to reactivity available for this

product or its ingredients.

**Chemical stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : Avoid contamination by any source including metals, dust and organic materials.

**Remark** : Avoid contact with combustible materials.

**Incompatible materials** : Reactive or incompatible with the following materials:
alkalis
combustible materials
reducing materials
organic materials
acids

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

# Section 11. Toxicological information

**Information on toxicological effects**

**Acute toxicity**

| Product / ingredient name | Result | Species | Dose | Exposure | References |
|---|---|---|---|---|---|
| Nitric acid potassium salt | | | | | |
| | LD50 Oral | Rat | > 2,000 mg/kg | - | IUCLID 5 |
| | LD50 Dermal | Rat | > 5,000 mg/kg | - | IUCLID 5 |
| Nitric acid sodium salt (1:1) | | | | | |
| | LD50 Oral | Rat | > 2,000 mg/kg | - | |
| | LD50 Dermal | Rat | > 5,000 mg/kg | - | |
| Boric acid (H3BO3) | | | | | |
| | LD50 Oral | Rat | 3,450 - 4,080 mg/kg | - | IUCLID 5 |
| | LC50 Inhalation | Rat | 2 mg/l | 4 h | |
| | LD50 Dermal | Rabbit | > 2,000 mg/kg | - | |

**Conclusion/Summary** : No known significant effects or critical hazards.

**Irritation/Corrosion**

| Product / ingredient name | Result | Species | Score | Exposure | Observation | References |
|---|---|---|---|---|---|---|
| Nitric acid potassium salt | Skin - Non-irritating. OECD 404 | Rabbit | 0 | | 72 h | IUCLID 5 |
| Nitric acid sodium salt (1:1) | Eyes - Irritant OECD 405 | Rabbit | | | - | IUCLID 5 |

**Conclusion/Summary**

**Skin** : Non-irritating to the skin.

**Eyes** : Non-irritating to the eyes.

**Respiratory** : No data available for this end-point, hence this classification is not considered to be applicable.

**Sensitization**

**Conclusion/Summary**
**Skin** : Not sensitizing
**Respiratory** : Not sensitizing

**Mutagenicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

**Carcinogenicity**

**Classification**

| Product / ingredient name | OSHA | IARC | NTP |
|---|---|---|---|
| Nitric acid potassium salt | | 2A | |
| Nitric acid sodium salt (1:1) | | 2A | |

**Conclusion/Summary** : No known significant effects or critical hazards.

**Reproductive toxicity**

| Product / ingredient name | Maternal toxicity | Fertility | Development toxin | Species | Dose | Exposure | References |
|---|---|---|---|---|---|---|---|
| Nitric acid potassium salt | Negative | Negative | Negative | Rat | Oral: > 1500 mg/kg bw/day OECD 422 | 28 days | IUCLID 5 |

**Conclusion/Summary** : May damage fertility or the unborn child. May damage fertility or the unborn child.

**Teratogenicity**

**Conclusion/Summary** : May damage the unborn child.

**Specific target organ toxicity (single exposure)**

No known significant effects or critical hazards.

**Specific target organ toxicity (repeated exposure)**

No known significant effects or critical hazards.

**Aspiration hazard**

No known significant effects or critical hazards.

**Information on the likely routes of exposure** : Not available.

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.
**Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
**Skin contact** : No known significant effects or critical hazards.
**Ingestion** : No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No specific data.

**Inhalation** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

**Skin contact** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

**Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects** : Not available.
**Potential delayed effects** : Not available.

**Long term exposure**

**Potential immediate effects** : Not available.
**Potential delayed effects** : Not available.

**Potential chronic health effects**

| Product / ingredient name | Result | Species | Dose | Exposure | References |
|---|---|---|---|---|---|
| Nitric acid potassium salt | NOAEL Oral | Rat | > 1500 mg/kg | 28days | IUCLID 5 |
| Nitric acid sodium salt (1:1) | NOAEL Oral | Rat | > 1500 mg/kg OECD 422 | - | IUCLID 5 |

**Conclusion/Summary** : No known significant effects or critical hazards.

**General** : No known significant effects or critical hazards.
**Carcinogenicity** : No known significant effects or critical hazards.
**Mutagenicity** : No known significant effects or critical hazards.
**Teratogenicity** : May damage the unborn child.
**Developmental effects** : No known significant effects or critical hazards.
**Fertility effects** : May damage fertility.

**Over-exposure signs/symptoms**

**Eye contact** : No specific data.

**Inhalation** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

**Skin contact** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

**Ingestion** : Adverse symptoms may include the following:
reduced fetal weight
increase in fetal deaths
skeletal malformations

**Numerical measures of toxicity**

**Acute toxicity estimates**

Not available.

# Section 12. Ecological information

**Toxicity**

| Product / ingredient name | Result | Species | Exposure | References |
|---|---|---|---|---|
| Nitric acid potassium salt | | | | |
| | Acute LC50 1,378 mg/l Fresh water OECD 203 | Fish - Labeo boga | 96 h | IUCLID 5 |
| | Acute EC50 490 mg/l Fresh water | Aquatic invertebrates. - Daphnia | 48 h | IUCLID 5 |
| | Acute EC50 > 1,700 mg/l Fresh water | Aquatic plants - Heterosigma akashiwo | 240 h | IUCLID 5 |
| Nitric acid sodium salt (1:1) | | | | |
| | Acute LC50 6,000 mg/l Fresh water | Fish - Labeo boga | 96 h | IUCLID 5 |
| | Acute LC50 4,400 mg/l Marine water | Fish - Labeo boga | 96 h | IUCLID 5 |
| | Acute EC50 8,600 mg/l Fresh water OECD 202 | Aquatic invertebrates. - Daphnia | 24 h | IUCLID 5 |
| | Acute EC50 > 1,700 mg/l Fresh water | Aquatic plants - Heterosigma akashiwo | 240 h | IUCLID 5 |
| Boric acid (H3BO3) | | | | |
| | Acute EC50 226 mg/l Fresh water | Aquatic invertebrates. - Daphnia magna | 2 d | Environmental Fate and Effects Division, U.S.EPA, Washington, D.C. |

**Conclusion/Summary** : No known significant effects or critical hazards.

**Persistence/degradability**

**Conclusion/Summary** : Readily biodegradable in plants and soils.

**Bioaccumulative potential**

| Product / ingredient name | LogPow | BCF | Potential |
|---|---|---|---|
| Boric acid (H3BO3) | 0.175-1.09 | - | low |

**Conclusion/Summary** : No known significant effects or critical hazards.

**Mobility in soil**

**Soil/water partition coefficient (KOC)** : Not available.

**Mobility** : This product may move with surface or groundwater flows because its water solubility is: high

**Other adverse effects** : No known significant effects or critical hazards.

# Section 13. Disposal considerations

**Product**

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**United States - RCRA Acute hazardous waste "P" List:**

Not listed

**United States - RCRA Toxic hazardous waste "U" List:**

Not listed

# Section 14. Transport information

| Regulation: UN Class | |
|---|---|
| **14.1 UN number** | 1486 |
| **14.2 UN proper shipping name** | POTASSIUM NITRATE |
| **14.3 Transport hazard class(es)** | 5.1 |

| | |
|---|---|
| |  |
| **14.4 Packing group** | III |
| **14.5 Environmental hazards** | No. |
| **14.6 Additional information**<br>**Environmental hazards** : No. | |

| **Regulation: IMDG** | |
|---|---|
| **14.1 UN number** | 1486 |
| **14.2 UN proper shipping name** | POTASSIUM NITRATE |
| **14.3 Transport hazard class(es)** | 5.1<br>  |
| **14.4 Packing group** | III |
| **14.5 Environmental hazards** | |
| **14.6 Additional information**<br>**Emergency schedules (EmS)** : F-A, S-Q | |

| **Regulation: IATA** | |
|---|---|
| **14.1 UN number** | 1486 |
| **14.2 UN proper shipping name** | POTASSIUM NITRATE |
| **14.3 Transport hazard class(es)** | 5.1<br>  |
| **14.4 Packing group** | III |
| **14.5 Environmental hazards** | |
| **14.6 Additional information** | |

| **Regulation: DOT Classification** | |
|---|---|
| **14.1 UN number** | 1486 |
| **14.2 UN proper shipping name** | POTASSIUM NITRATE () |
| **14.3 Transport hazard class(es)** | 5.1 |
| **14.4 Packing group** | III |
| **14.5 Environmental hazards** | No. |
| **14.6 Additional information**<br>**Environmental hazards** : No.<br>**Limited quantity** : 0.00 | |

| **Regulation: TDG Class** |
|---|

| | |
|---|---|
| **14.1 UN number** | 1486 |
| **14.2 UN proper shipping name** | POTASSIUM NITRATE |
| **14.3 Transport hazard class(es)** | 5.1   |
| **14.4 Packing group** | III |
| **14.5 Environmental hazards** | No. |
| **14.6 Additional information**<br>**Environmental hazards** | **:** No. |

**Special precautions for user** : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Remark** : The product in prilled form is not subject to the provisions for the transport of dangerous goods (as belonging to class 5.1), based on results of the test O.1 United Nations Manual of Tests and Criteria (ADR 2.2.51.1.5/IMDG chapter 3.3 provision 223). It is recommended to mention in the Transport documents "Product not belonging to Class 5,1" when the prilled product is transported as non dangerous (ADR 5.4.1.5).

**IMSBC** : Not available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not applicable.

# Section 15. Regulatory information

**United States**

**U.S. Federal regulations** : **United States - TSCA 12(b) - Chemical export notification:** None of the components are listed.
**United States - TSCA 4(a) - Final Test Rules:** Not listed
**United States - TSCA 4(e) - ITC Priority list:** Not listed
**United States - TSCA 4(a) - Proposed test rules:** Not listed
**United States - TSCA 4(f) - Priority risk review:** Not listed
**United States - TSCA 5(a)2 - Final significant new use rules:** Not listed
**United States - TSCA 5(a)2 - Proposed significant new use rules:** Not listed
**United States - TSCA 5(e) - Substances consent order:** Not listed
**United States - TSCA 6 - Final risk management:** Not listed
**United States - TSCA 6 - Proposed risk management:** Not listed

**United States - TSCA 8(a) - Comprehensive assessment report (CAIR):** Not listed
**United States - TSCA 8(a) - Chemical risk rules:** Not listed
**United States - TSCA 8(a) - Dioxin/Furane precusor:** Not listed
**United States - TSCA 8(a) - Chemical Data Reporting (CDR):** Not determined
**United States - TSCA 8(a) - Preliminary assessment report (PAIR):** Not listed
**United States - TSCA 8(c) - Significant adverse reaction (SAR):** Not listed
**United States - TSCA 8(d) - Health and safety studies:** Not listed
**United States - EPA Clean water act (CWA) section 307 - Priority pollutants:** Not listed
**United States - EPA Clean water act (CWA) section 311 - Hazardous substances:** Not listed
**United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances:** Not listed
**United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances:** Not listed
**United States - Department of commerce - Precursor chemical:** Not listed

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**
Not applicable.

**SARA 304 RQ** : Not applicable.

**SARA 311/312**

**Classification** : Delayed (chronic) health hazard

**SARA 313**

| | | Product name | CAS number | Concentration |
|---|---|---|---|---|
| **Form R - Reporting requirements** | : | Nitric acid potassium salt | 7757-79-1 | 90 - 100 |
| | | Nitric acid sodium salt (1:1) | 7631-99-4 | 5 - 7 |
| **Supplier notification** | : | Nitric acid potassium salt | 7757-79-1 | 90 - 100 |

| | | | | |
|---|---|---|---|---|
| | | Nitric acid sodium salt (1:1) | 7631-99-4 | 5 - 7 |

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

**State regulations**

**Massachusetts** : The following components are listed:
Nitric acid potassium salt
Nitric acid sodium salt (1:1)

**New York** : None of the components are listed.

**New Jersey** : The following components are listed:
Nitric acid potassium salt

**Pennsylvania** : The following components are listed:
Nitric acid potassium salt
Nitric acid sodium salt (1:1)

**California Prop. 65**

This product contains a chemical (or chemicals) known to the State of California to cause cancer and birth defects or other reproductive harm.

**International lists**

**Philippines inventory (PICCS):** All components are listed or exempted.
**New Zealand Inventory of Chemicals (NZIoC):** All components are listed or exempted.
**Korea inventory:** All components are listed or exempted.
**Japan inventory:** All components are listed or exempted.
**China inventory (IECSC):** All components are listed or exempted.
**Australia inventory (AICS):** All components are listed or exempted.
**Canada inventory (DSL and NDSL):** All components are listed or exempted.
**United States inventory (TSCA 8b):** All components are listed or exempted.
**EC INVENTORY (EINECS/ELINCS):** All components are listed or exempted.

# Section 16. Other information

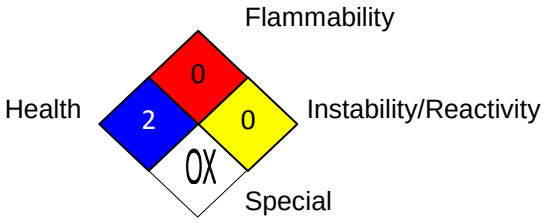
**Hazardous Material Information System (U.S.A.)**

| | | |
|---|---|---|
| **Health** | * | 2 |
| **Flammability** | | 0 |
| **Physical hazards** | | 1 |
| | | |

**Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.**
**The customer is responsible for determining the PPE code for this material.**

**Chronic toxicity:**
**- :** No data available.
*** :** Carcinogen, Target organs, Reproductive effects, Sensitizer to lungs

**National Fire Protection Association (U.S.A.)**

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**Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.**

**Key to abbreviations** : ADN/ADNR = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
bw = Body weight
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NOHSC - National Occupational Health and Safety Commission
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons
UN = United Nations

**References** : EU REACH IUCLID5 CSR.
National Institute for Occupational Safety and Health, U.S. Dept. of Health, Education, and Welfare, Reports and Memoranda Registry of Toxic Effects of Chemical Substances.
IHS, 4777 Levy Street, St Laurent, Quebec HAR 2P9, Canada.EU REACH IUCLID5 CSR.
National Institute for Occupational Safety and Health, U.S. Dept. of Health, Education, and Welfare, Reports and Memoranda Registry of Toxic Effects of Chemical Substances.
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|| Indicates information that has changed from previously issued version.

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**