

SAFETY DATA SHEET

Sabracron Sea Green F71

Section 1. Identification

GHS product identifier Sabracron Sea Green F71

Other means of identification: Not available.

Product type Solid.

Material uses Textile dye

Supplier's details PRO Chemical & Dye
126 Shove Street
Fall River, MA 02724

Emergency Telephone Numbers:

800-255-3924 ChemTel. (United States)

+ 1 01 813-248-0585 (Outside the United States)

Section 2. Hazards identification

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

Classification of the substance or mixture SKIN SENSITIZATION - Category 1

GHS label elements

Hazard pictograms



Warning

Signal word May cause an allergic skin reaction.

Hazard statements

Precautionary statements

Wear protective gloves: < 1 hour (breakthrough time): butyl or neoprene. Avoid breathing dust. Contaminated work clothing should not be allowed out of the workplace. IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards which do not result in classification

None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

| Ingredient name | % | CAS number |
|--|---------|------------|
| Sodium 2-[[5-(Am inoacarbonyl)-1-ethyl-2-hydroxy-4-methylpyridinyl]azo]-4-[[4-[(2-chloro-5-sulfophenyl)amino]-6-f1uoro-1,3,5-triazinyl]amino]benzenesulfonate | 60 -100 | 75268-65-4 |
| white mineral oil | 1 - 3 | 8042-47-5 |

Any concentration shown as a range IS to protect confidentiality or IS due to batch variation.
Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Descriptions of necessary first aid measures

| | |
|--------------|---|
| Eye contact | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs. |
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. 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. |
| Skin contact | Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse. |
| Ingestion | Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |

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 | May cause an allergic skin reaction. |
| Ingestion | No known Significant effects or critical hazards. |

Qyer-exposure signs/symptoms

| | |
|-------------|---------------------|
| Eye contact | : No specific data. |
|-------------|---------------------|

Section 4. First aid measures

| | |
|--------------|--|
| Inhalation | No specific data. |
| Skin contact | Adverse symptoms may include the following: irritation redness |
| Ingestion | No specific data. |

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

| | |
|----------------------------|--|
| Notes to physician | No specific treatment. Treat symptomatically. Call medical doctor or poison control center immediately if large quantities have been ingested. |
| Protection of first-aiders | No action shall be taken involving any personal risk or without suitable training. 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

| | |
|--|--|
| Flash point | Closed cup: Not applicable. |
| <u>Extinguishing media</u> | |
| Suitable extinguishing media | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | None known. |
| Specific hazards arising from the chemical | No specific fire or explosion hazard. |
| Hazardous thermal decomposition products | Decomposition products may include the following materials: carbon dioxide Carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides halogenated compounds metal oxide/oxides |
| 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 | Not explosive |

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 materials for containment and cleaning up | 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). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. 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. 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. |

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Section 8. Exposure controls/personal protection

| Ingredient name | Exposure limits |
|-------------------|--|
| white mineral oil | ACGIH TLV (United States, 6/2013). TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. |

Appropriate engineering controls
Environmental exposure controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
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

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

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. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. < 1 hour (breakthrough time): butyl or neoprene

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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. Recommended: Respiratory protection, filter P3

Thermal hazards

Not available.

Section 9. Physical and chemical properties

Appearance

| | | | |
|--|---|----|-------|
| Physical state | Solid. granules] | | |
| Color | Yellow. | | |
| Odor | Odorless. | | |
| Odor threshold | Not applicable. | | |
| pH | 8 to 8.5 [Conc. (% w/w): 2] | | |
| Melting point/Freezing point | >100°C (>212°F) | | |
| Boiling/condensation point | Not available. | | |
| Flash point | Closed cup: Not applicable. | | |
| Evaporation rate | Not applicable. | | |
| Flammability (solid, gas) | Non-flammable. | | |
| Lower and upper explosive (flammable) limits | Not available. | | |
| Vapor pressure | Not available. | | |
| Vapor density | Not available. | | |
| Relative density | Not available. | | |
| Solubility in water | Not available. | | |
| Water Solubility Result | 100 g/l | 30 | deg C |
| Partition coefficient: n-octanol/water | Not available. | | |
| Auto-ignition temperature | Not available. | | |
| Decomposition temperature | >220°C (>428°F) | | |
| Ignition Temperature (Deg C) : SIT> 450 *ASTM-D1929B | 500°C | | |
| Explosive properties | Not explosive | | |
| Oxidizing properties | None. | | |
| Density | 1 g/cm ³ | | |
| Viscosity | Dynamic (room temperature): Not applicable. | | |

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 | No specific data. |
| Incompatible materials | No specific data. |
| Hazardous decomposition products | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

Information 90 t9xicol9gical effects

Acute toxicity

| Product/ingredient name | Test | Endpoint | Species | Result |
|---|------------------------------------|---------------------------------|-----------------------|-------------|
| Sodium 2-[[5-(Aminocarbonyl)-1-ethyl-2-hydroxy-4-methylpyridinyl]azo]-4-[[4-(2-chloro-5-sulfophenyl)amino]-6-fluoro-1,3,5-triazinyl]amino]benzenesulfonate white mineral oil | OECD 401 Acute Oral Toxicity | LD50 Oral | Rat | >2000 mg/kg |
| | OECD 403 Acute Inhalation Toxicity | LC50 Inhalation Dusts and mists | Rat - Male, Female | >5 mg/l |
| | OECD 402 Acute Dermal Toxicity | LD50 Dermal | Rabbit - Male, Female | >2000 mg/kg |
| | OECD 401 Acute Oral Toxicity | LD50 Oral | Rat - Male, Female | >5000 mg/kg |
| | | LD50 Oral | Rat | >5000 mg/kg |

Irritation/Corrosion

| Product/ingredient name | Test | Species | Result |
|-------------------------|--|---------|---------------------|
| white mineral oil | OECD 404 Acute Dermal Irritation/Corrosion | Rabbit | Skin - Non-irritant |
| | OEED 405 Acute Eye Irritation! Corrosion | Rabbit | Eyes - Non-irritant |

Conclusion/Summary

SkinEyes

Non-irritant. Rabbit OECD 404

Sodium 2-[[5-(Aminocarbonyl)-1-ethyl-2-hydroxy-4-methylpyridinyl]azo]-4-[[4-(2-chloro-5-sulfophenyl)amino]-6-fluoro-1,3,5-triazinyl]amino]benzenesulfonate
white mineral oil

No additional information.
Non-irritating to the skin.

Respiratory

Non-irritant Rabbit OECD 405

Sodium 2-[[5-(Aminocarbonyl)-1-ethyl-2-hydroxy-4-methylpyridinyl]azo]-4-[[4-(2-chloro-5-sulfophenyl)amino]-6-fluoro-1,3,5-triazinyl]amino]benzenesulfonate
white mineral oil

No additional information.
Non-irritating to the eyes.

Sodium 2-[[5-(Aminocarbonyl)-1-ethyl-2-hydroxy-4-methylpyridinyl]azo]-4-[[4-(2-chloro-5-sulfophenyl)amino]-6-fluoro-1,3,5-triazinyl]amino]benzenesulfonate
white mineral oil

No additional information.
No additional information.

Section 11. Toxicological information

Sensitization

| Product/ingredient name | Test | Route of exposure | Species | Result |
|---|-----------------------------|-------------------|------------|-----------------|
| Sodium 2-[[5-(Aminocarbonyl)-1-ethyl-2-hydroxy-4-methylpyridinyl]azo]-4-[[4-(2-chloro-5-sulfophenyl)amino]-6-fluoro-1,3,5-triazinyl]amino]benzenesulfonate white mineral oil | OECD 406 Skin Sensitization | skin | Guinea pig | Sensitizing |
| | OECD 406 Skin Sensitization | skin | Guinea pig | Not sensitizing |
| | OECD 406 Skin Sensitization | skin | Guinea pig | Sensitizing |

Conclusion/Summary

Respiratory

Cases of respiratory sensitization have been observed with reactive dyes. Care should be taken to avoid inhalation. Should an individual become sensitized a physician should be consulted and all contact with reactive dyes must cease immediately.

Mutagenicity

| Product/ingredient name | Test | Result |
|-------------------------|--|--|
| white mineral oil | Experiment: In vitro Subject: Bacteria Metabolic activation: + Experiment: In vitro Subject: Mammalian-Animal Cell: Somatic Metabolic activation: +/- Experiment: In vivo Subject: Mammalian-Animal Cell: Somatic | Negative Negative Negative |

Carcinogenicity

| Product/ingredient name | Test | Species | Dose | Exposure | Result/Result type |
|-------------------------|--|-----------------------|-----------|-----------------------------|----------------------------|
| white mineral oil | OECD 453 Combined Chronic Toxicity! Carcinogenicity Studies | Rat - Male, Female | 1200mg/kg | 2 years; 7 days per week | Negative - Oral - NOAEL |

Reproductive toxicity

| Product/ingredient name | Test | Species | Maternal toxicity | Fertility | Developmental effects |
|-------------------------|---|-----------------------|-------------------|-----------|-----------------------|
| white mineral oil | OECD 415 One- Generation Reproduction Toxicity Study | Rat - Male, Female | Negative | Negative | Negative |

Teratogenicity

Section 11. Toxicological information

| Product/ingredient name | Test | Species | Result/Result type |
|-------------------------|--|-------------|--------------------|
| white mineral oil | OECD 414 Prenatal Developmental Toxicity Study | Rat- Female | Negative - Oral |

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

| Product/ingredient name | Result |
|-------------------------|--------------------------------|
| white mineral oil | ASPIRATION HAZARD - Category 1 |

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 | May cause an allergic skin reaction. |
| Ingestion | No known significant effects or critical hazards. |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|--------------|--|
| Eye contact | No specific data. |
| Inhalation | No specific data. |
| Skin contact | Adverse symptoms may include the following: irritation redness |
| Ingestion | No specific data. |

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

Section 11. Toxicological information

| Product/ingredient name | Test | Endpoint | Species | Result |
|-------------------------|--|---|--------------------|----------------------|
| white mineral oil | OECD 408 Repeated Dose 90-Day Oral Toxicity Study in Rodents | Sub-chronic NOEL Oral | Rat - Male, Female | 2 mg/kg |
| | OECD 411 Subchronic Dermal Toxicity: gO-day Study | Sub-chronic NOAEL Dermal | Rat - Male, Female | >2000 mg/kg |
| | OECD 412 Repeated Dose Inhalation Toxicity: 28-day or 14-day Study | Sub-acute NOEC Inhalation Dusts and mists | Rat - Male, Female | 50 mg/m ³ |

| | |
|-----------------------|---|
| General | Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. |
| Carcinogenicity | No known significant effects or critical hazards. |
| Mutagenicity | No known significant effects or critical hazards. |
| Teratogenicity | No known significant effects or critical hazards. |
| Developmental effects | No known significant effects or critical hazards. |
| Fertility effects | No known significant effects or critical hazards. |

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Other information : Not available.

Section 12. Ecological information

Toxicity

| Product/ingredient name | Test | Endpoint | Exposure | Species | Result |
|--|---|---------------|---------------------|----------------|------------|
| Sodium 2-[[5-(Aminocarbonyl)-1-ethy~2-hydroxy-4-methylpyridinyl azo]-4-[[4-(2-chloro-5-sulfophenyl) amino]-6-fluoro-1,3,5-triazinyl]amino] benzenesulfonate | OECD 202 <i>Daphnia</i> sp. Acute Immobilization Test | Acute EC50 | 48 hours | <i>Daphnia</i> | >1000 mg/l |
| | OECD 209 Activated Sludge, Respiration Inhibition Test | Acute IC50 | 3 hours | Bacteria | >320 mg/l |
| white mineral oil | OECD 202: Part I (<i>Daphnia</i> sp., Acute Immobilisation test) | Acute LL50 | 48 hours Static | <i>Daphnia</i> | >100 mg/l |
| | OECD 203 Fish, Acute Toxicity Test | Acute LL50 | 96 hours Static | Fish | >100 mg/l |
| | OECD 211 <i>Daphnia Magna</i> Reproduction Test | Chronic NOEC | 21 days Semi-static | <i>Daphnia</i> | >1000 mg/l |
| | OECD 201 Alga, Growth Inhibition | Chronic NOECr | 72 hours Static | Algae | >100 mg/l |

Section 12. Ecological information

| | | | | | | | |
|--|---|-------|------|----------|----------|------|------|
| | Test OECD 202 <i>Daphnia</i> sp. Acute Immobilization Test | Acute | EC50 | 48 hours | Daphnia | >100 | mg/l |
| | OECD209 Activated Sludge, Respiration Inhibition Test | Acute | IC50 | 3 hours | Bacteria | >320 | mg/l |
| | OECD 203 Fish, Acute Toxicity Test | Acute | LC50 | 96 hours | Fish | 335 | mg/l |

Conclusion/Summary Not toxic or harmful to aquatic organisms.

Persistence and degradability

| Product/ingredient name | Test | Period | Result |
|---|---|---------|--------|
| Sodium 2-[[5-(Aminocarbonyl)-1-ethoxy-2-hydroxy-4-methylpyridinyl azo]-4-[[4-(2-chloro-5-sulfophenyl)amino]-6-fluoro-1,3,5-triazinyl]amino] benzenesulfonate white mineral oil | OECD 302B Inherent Biodegradability: Zahn-Wellens/EMPA Test | 28 days | 2.4% |
| | OECD 301 F Ready Biodegradability - Manometric Respirometry Test | 28 days | 31% |
| | OECD 302B Inherent Biodegradability: Zahn-Wellens/EMPA Test | 28 days | <10% |

Conclusion/Summary Poorly eliminated by adsorption on effluent treatment sludge.

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|---|-------------------|------------|------------------|
| Sodium 2-[[5-(Aminocarbonyl)-1-ethoxy-2-azo]-4-[[4-(2-chloro-5-sulfophenyl)amino]-6-fluoro-1,3,5-triazinyl]amino] benzenesulfonate white mineral oil | - | - | Not readily |
| | - | - | Not readily |
| | - | - | Inherent |

Bigaccumulative potential

| Product/ingredient name | LogPow | BCF | Potential |
|--|--------|-----|-----------|
| Sodium 2-[[5-(Aminocarbonyl)-1-ethoxy-2-hydroxy-4-methylpyridinyl azo]-4-[[4-(2-chloro-5-sulfophenyl)amino]-6-fluoro-1,3,5-triazinyl]amino] benzenesulfonate | <3 | - | low |

Mobility in soil

Not available.

Other adverse effects No known Significant effects or critical hazards.

Other ecological information

Section 12. Ecological information

| | | | |
|-----------------------|--|--------|--------------|
| BOD5 | 10 | mgO2/g | |
| COD | 735 | mgO2/g | |
| TOC | 25.1 | % | |
| Organohalogen content | 3.1 | % | Chloro |
| Phosphorus Content | 0.9 | % | as phosphate |
| Nitrogen Content | 11.8 | % | |
| Metal Content | Metal content under the ETAD recommended limits. | | |

Section 13. Disposal considerations

| | |
|------------------|--|
| Disposal methods | <p>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.</p> |
|------------------|--|

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

Section 14. Transport information

Proper shipping name

| | |
|------|----------------|
| DOT | Not regulated. |
| TOG | Not regulated. |
| IMOG | Not regulated. |
| IATA | Not regulated. |

| Regulatory information | UN number | Classes | PG* | Label | Additional information |
|------------------------|----------------|---------|-----|-------|------------------------|
| DOT Classification | Not regulated. | - | - | | - |
| TOG Classification | Not regulated. | - | - | | - |
| IMOG Classification | Not regulated. | - | - | | - |
| IATA Classification | Not regulated. | - | - | | - |

PG* : Packing group

Section 15. Regulatory information

Safety health and environmental regulations specific for the product

United States Regulations

| | |
|--|---|
| TSCA 8(b) inventory | All components are listed or exempted. |
| TSCA 5(a)2 final significant new use rule (SNUR) | No ingredients listed. |
| TSCA 5(e) substance consent order | No ingredients listed. |
| TSCA 12(b) export notification | No ingredients listed. |
| SARA 311/312 | Immediate (acute) health hazard |
| Clean Air Act - Ozone Depleting Substances (ODS) | This product does not contain nor is it manufactured with ozone depleting Substances. |
| SARA 313 | No ingredients listed. |

| | | | <u>~Section 304 CCERLA HHazardous SSubstance Listed</u> | <u>CERCLA Reportable quantity (Lbs.)</u> | <u>Product Reportable quantity (Lbs.)</u> |
|-----------------------------|---|------|---|--|---|
| CERCLA Hazardous substances | Triphosphoric acid, pentasodium salt; Triphosphoric acid, sodium salt (1 :5); Sodium phosphate; Pentasodium tripolyphosphate | 1.8% | | 5000 | 277778 |

State regulations

PENNSYLVANIA - RTK Triphosphoric acid, pentasodium salt; Triphosphoric acid, sodium salt (1:5); Sodium phosphate; Pentasodium tripolyphosphate

California Prop 65

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

Canadian regulation§

CEPA DSL

All components are listed or exempted.

WHMIS Classes

Class 0-28: Material causing other toxic effects (Toxic).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Brazil Regylatigns

Norma ABNT-NBR 14725-2:2012

2.

Section 15. Regulatory information

Classification system used

Section 16. Other information

International lists

Australia inventory (AleS): All components are listed or exempted.
 China inventory (IECSC): All components are listed or exempted.
 Japan inventory: All components are listed or exempted.
 Korea inventory: All components are listed or exempted.
 Malaysia Inventory (EHS Register): Not determined.
 New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
 Philippines inventory (PICCS): All components are listed or exempted.
 Taiwan inventory (CSNN): Not determined.

Section 16. Other information

Notice to reader

Hazardous Material
 Information System (U.S.A.) *publication*
information
publication, NOTHING HEREIN IS TO BE

| | |
|---------------------|---|
| Health | 2 |
| Flammability | 0 |
| Physical hazards | 0 |
| Personal protection | X |

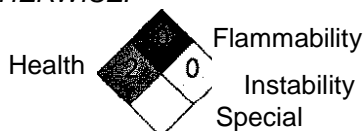
While the information and recommendations in this are to the best of our knowledge, and belief accurate at the date of CONSTRUED AS A

The customer is responsible for determining the PPE code for this material.

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 SDSs 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.

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 Version 1

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,.. Indicates information that has changed from previously issued version.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.

7/28/2014.