

## TIBOLLI

#### Revision Date: 01-01-2024

| SAFETY DATA SHEET |  |   |                                 |
|-------------------|--|---|---------------------------------|
| -                 | SECTION 1: PRODUCT AND COMPANY IDENTIFICATION                |   |                                 |
| 1.1               | Product name   | Lightening Powder +   |                                 |
| 1.2               | Product Category   | Powders   |                                 |
| 1.3               | Company Name   | Gkhair FZCO   |                                 |
| 1.4               | Company<br>Address   | PO BOX 342001 IFZA , DUBAI SIL<br>DUBAI   | ICON OASIS,                     |
| 1.5               | Company Contact<br>Details                                   | +1 305 390 0044 (phone)<br><u>legal@GKhair.com (</u> email)<br><u>http://Gkhair.com</u> (web)                         |                                 |
| 1.6               | Customer Service<br>Number                                   | INFOTRAC: US/CANADA 1-800-53<br>323-3500  | 35-5053/International 1-352-    |
|                   | SECTION 2: HAZARD IDENTIFICATION                             |   |                                 |
| 2.1               | 2.1 European<br>Commission<br>Directive<br>1223/2009 Warning |   |                                 |
|                   |  | Skin Corrosive  | Category 18                     |
|                   |  | Acute Toxic   | Category 4                      |
| 2.2               | Hazard Class   | Skin Sensitivity  | Category 1                      |
|                   |  | Respiratory Sensitivity   | Category 1                      |
|                   |  | STOT SE   | Category 3                      |
| 2.3               | Hazard<br>Statements   | Harmful if swallowed. Causes severe<br>May cause allergy or asthma sympton<br>inhaled. May cause respiratory irritati | ms or breathing difficulties if |

GKHAIR FZCO PO BOX 342001 IFZA, DUBAI SILICON OASIS, DUBAI, UNITED ARAB EMIRATES www.gkhair.com



| 2.4  | Harmful Product   | The product is classified as hazardous pursuant to the provisions of EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus, requires a safety data sheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.  |
|------|---|---|
| 2.5  | Precautionary<br>Statements   | Keep away from heat, hot surfaces, sparks, open flames and other<br>ignition sources. No smoking. Wash thoroughly after handling. Store<br>away from clothing/combustible materials. Wear protective<br>gloves/protective clothing, eye/face protection. In case of inadequate<br>ventilation wear respiratory protection. If swallowed, call a poison<br>centre or doctor, if you feel unwell. If inhaled, move person outdoors<br>for fresh air and keep him/her rested in a position comfortable for<br>breathing. |
| 2.6  | Precautionary<br>Statements for<br>Storage  | Store locked up.  |
| 2.7  | Precautionary<br>Statements for<br>disposal.  | Dispose of contents/container in accordance with local regulations.   |
| 2.8  | Contains  | Dipotassium Peroxodisulphate, Ammonium<br>Peroxydisulphate  |
| 2.9  | Eyes  | May cause mild redness or irritation.   |
| 2.10 | Other Hazards   | Product meets the criteria of PBT/vPvB according to EC Regulation 1907/2006, Annex XIII.  |
|      | SECTIO  | N 3: INGREDIENTS AND COMPOSITION  |
| 3.1  | Potassium Persulfate, Sodium Silicate, Ammonium Persulfate, Sodium Metasilicate, Magnesium<br>Carbonate Hydroxide, Sodium Stearate, Cyamopsis Tetragonoloba Gum/Cyamopsis<br>Tetragonoloba (Guar) Gum, Pectin, Kaolin, Magnesium Oxide, Cyclodextrin, Disodium Lauryl<br>Sulfosuccinate, Paraffinum Liquidum/Mineral Oil, Disodium EDTA, Hydrolyzed Quinoa, Pisum<br>Sativum Extract (Juvexin V2), Ultramarines (CI 77007), Levulinic Acid. |   |



| SECTION 4: FIRST AID MEASURES |  |   |  |
|-------------------------------|--|---|--|
| 4.1                           | In case of Skin<br>Allergy                           | Take of contaminated clothing immediately. 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.  |  |
| 4.2                           | In case of contact with Eyes                         | Wash immediately and thoroughly with running water, keeping eyelids open for at least 30-60 minutes. Seek medical advice immediately.   |  |
| 4.3                           | In case of<br>Inhalation                             | Air the area. Move the person immediately from the area and keep<br>him/her at rest in a well-ventilated area or fresh air. Contact a<br>physician immediately.   |  |
| 4.4                           | In case of<br>Ingestion                              | Drink as much water as possible. Absolutely do not induce vomiting or emesis. Seek medical advice immediately.  |  |
| 4.5                           | Symptoms of<br>Effects, both<br>Acute and<br>Delayed | See Chapter 11  |  |
|                               | SEC  | CTION 5: FIRE FIGHTING MEASURES   |  |
| 5.1                           | If leakage Caught<br>Fire                            | Water spray can be used to disperse flammable vapors and protect those trying to stem the leak.   |  |
| 5.2                           | Extinguishing<br>Media                               | Carbon Dioxide and chemical powder  |  |
| 5.3                           | Unsuitable<br>Extinguishing<br>Equipment             | Do not cause jets of water. Water in not effective for outing out fires<br>but can be used to cool container exposed to flames to prevent<br>explosions.  |  |
| 5.4                           | Hazard Caused by<br>Exposure to Fire                 | If large quantities of the product are involved in a fire, they can make it considerable worse, do not breath combustion products.  |  |
| 5.5                           | Advice to<br>Firefighters                            | In case of fire, use jets of water to cool the containers to prevent the risk of explosion (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so. |  |
| 5.6                           | Special Protective<br>Equipment for<br>Firefighters  | Normal firefighting clothing i.e. fire kit, gloves and boots in combination with self-contained open circuit positive pressure compressed air breathing apparatus.  |  |
|                               | SECTION 6: ACCIDENTAL RELEASE MEASURES               |   |  |



Page:4

# TIBOLLI

| 6.1 | Personal<br>precautions,<br>protective<br>equipment and<br>emergency<br>procedures | If there are no contraindications, spray powder with water to prevent<br>the formation of dust. Avoid breathing vapors/mist/gases.  |  |
|-----|--|---|--|
| 6.2 | For Emergency<br>Responders  | Wear suitable protective equipment including personal protective<br>equipment referred to under Paragraph 8 below to prevent any<br>contamination of skin, eyes and personal clothing. These indications<br>apply for both processing staff and those involved in emergency<br>procedures                             |  |
| 62  | Environmental  | The product must not penetrate into the sewerage system or come   |  |
| 6.3 | Precautions  | into contact with surface water or ground water.  |  |
|     | METHODS AND  | MATERIAL FOR CONTAINMENT AND CEANING UP:  |  |
| 6.4 | For Containment  | Make sure the leakage site is well aired. Check incompatibility for container material in Paragraph 7. Contaminated material should be disposed of in compliance with the provisions set forth in Paragraph 13.   |  |
| 6.5 | For Cleaning Up  | Use spark-proof mechanical equipment to collect the leaked product<br>and place it in containers for recovery or disposal. If there are no contra<br>indications, use jets of water to eliminate product residues.  |  |
| 6.6 | Reference to other<br>Paragraphs   | Paragraph 8 and 13  |  |
|     | SECTION 7: HANDLING AND STORAGE INFORMATION  |   |  |
| 7.1 | Precautions for<br>Safe Handling   | Ensure that there is an adequate earthling system for the equipment<br>and personnel. Avoid contact with eyes and skin. Do not breath<br>powders, vapors or mist. Do not eat, drink or smoke during use. Wash<br>hand properly after use. Avoid leakage of the product into the<br>environment.                       |  |
| 7.2 | Storage  | Keep in original container closed tightly. Do not store in an open or<br>unlabelled container. Keep containers upright and safe by avoiding the<br>possibility of falls or collisions. Store in a cool, ventilated, dry place,<br>away from sources of heat, and direct exposure of sunlight. Avoid<br>violent blows. |  |
| 7.3 | Specific End Uses  | <b>Public domain (administration, education, entertainment, services, craftsmen):</b> Store at temperatures below 30°C. Protect from heat and direct sunlight. Apply in a well-ventilated area. Keep away from sources of ignition - No smoking. Take measures to prevent   |  |



|     |   | the buildup of electrostatic charge. Avoid contact with eyes and skin.<br>Do not inhale vapors or mists.   |  |
|-----|---|--|--|
| 7.4 | Spill Precautions                                   | Spilled material may present a slippery hazard if left unattended. Clean all spills promptly.  |  |
|     | SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION |  |  |
| 8.1 | Control<br>Parameters                               | No Data Available  |  |
| 8.2 | Exposure Control<br>Pictograms                      |  |  |
| 8.3 | Personal<br>Protective<br>Equipment                 | As the use of adequate technical equipment must always take priority<br>over personal protective equipment, make sure that the work place is<br>well aired through effective local aspiration.                   |  |
| 8.4 | CE Marked<br>Equipment                              | When choosing personal protective equipment, ask your chemical substance supplier for advice. Personal protective equipment must be CE marked, showing that it complies with applicable standards.               |  |
| 8.5 | Hands Protection                                    | Use penetration resistance work gloves in case of prolonged contact.<br>Work gloves must be chosen according to the use process and the<br>products that may form. Latex gloves may cause sensitivity reactions. |  |
| 8.6 | Skin Protection                                     | Wear Category II professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing.   |  |
| 8.7 | Eye Protection                                      | Wear air tight protective goggles. In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.             |  |
| 8.8 | Respiratory<br>Protection                           | Use a type P filtering facemask or equivalent device, whose class (1, 2 and 3) and effective need must be defined according to the outcome of the risk.  |  |
| 8.9 | Environmental<br>Exposure<br>Controls               | The emissions generated by manufacturing processes, including those<br>Generated by ventilation equipment, should be checked to ensure<br>compliance with environment standards.                                 |  |



г

Page:6

| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES |   |   |  |
|---|---|---|--|
| 9.1   | Appearance  | Powder  |  |
| 9.2   | Color   | Blue  |  |
| 9.3   | Odor  | Characteristic  |  |
| 9.4   | Active Oxygen   | 2.40 - 11.80  |  |
| 9.5   | pН  | 10.8 - 11.8   |  |
|   | SECT  | ION 10: STABILITY AND REACTIVITY  |  |
| 10.1  | Stability   | May be hazardous  |  |
| 10.2  | Conditions to<br>Avoid  | Avoid overheating. Prevent moisture or water from penetrating inside the containers.  |  |
| 10.3  | Reactivity  | DISODIUM METASILICATE: The aqueous solutions behave like<br>strong bases chemical stability. May react dangerously with fluorine<br>and lithium. The Product may react violently with water.  |  |
| 10.4  | Hazardous<br>Polymerization   | Does not occur  |  |
| 10.5  | Incompatible<br>Material  | DISODIUM METASILICATE: in aqueous solution it is incompatible<br>with acids, organic anhydrides, acrylates, alcohols, aldehydes, alkyl<br>oxides, cresols, caprolactam solutions, epichlorohydrin, ethylene<br>dichloride, glycols, isocyanides, ketones, nitrates, phenols and vinyl<br>acetate. |  |
|   | SECTION 11: TOXICOLOGICAL INFORMATION   |   |  |
| 11.1  | Information on<br>Toxicological<br>Effects Information of the product itself, health<br>hazards are evaluated according to the properties of the substances it<br>contains, using the criteria specified in the applicable regulations for<br>classification. It is therefore necessary to take into account the<br>concentration of the individual hazardous substances indicated in<br>Paragraph 3 above when evaluating the toxicological effects of<br>exposure to the product. |   |  |
| 11.2  | Acute Toxicity  | Ingestion of this product is harmful. Even small amounts of product<br>may cause serious health problems such as stomach pain, nausea,<br>sickness and diarrhoea.   |  |



| 11.3  | Skin                                | Causes severe skin burns, vesicles on skin and eye damage.<br>May cause skin sensitization.<br>Burns are very stingy and painful.   |
|-------|-------------------------------------|---|
| 11.4  | Еуе                                 | May cause serious harm such as cornea opacity, iris lesions and irreversible eye coloration.  |
| 11.5  | Inhalation                          | May cause pulmonary edema, whose symptoms arise after a few hours.  |
| 11.6  | Exposure<br>symptoms                | Sting, cough, asthma, laryngitis, respiratory disorders, headache,<br>nausea and sickness. If swallowed, it may cause mouth, throat and<br>oesophagus burns, sickness, diarrhoea, edema, larynx swelling<br>and, consequently, asphyxia.  |
| 11.7  | Cutaneous<br>Lesions may<br>Include | Erythemas, edemas, papules, vesicles, pustules, scurvies, ulcerations<br>and exudative phenomena, whose intensity varies according to illness<br>seriousness and affected areas. Erythema's, edemas and exudative<br>phenomena prevail during the acute phase. Scurfy skin, dryness,<br>ulcerations and skin thickening prevail during the chronic phase.   |
|       | SEC                                 | CTION 12: ECOLOGICAL INFORMATION  |
| TOXIC | CITY:                               |   |
| 12.1  | DIPOTASSIUM<br>PEROXODISULPHATE     | LC50 - for Fish. > 76,3 mg/l/96h (trota iridea) EC50-<br>forCrustacea.>120mg/l/48h(daphnia)EC50-<br>forAlgae/AquaticPlants.>83,7mg/l/72h(pseudokirchneriel<br>lasubcapitata)<br>DISODIUM METASILICATELC50-<br>forFish.1108mg/l/96h(Brachydaniorerio)EC50-<br>forCrustacea.1700mg/l/48h(Daphniamagna)EC50- forAlgae/Aquatic<br>Plants.207 mg/l/72h (Schenedesmus subspicatus)  |
| 12.2  | AMMONIUM<br>PEROXYDISULPHATE        | LC50 - for Fish. 76,3 mg/l/96h (trota iridea) EC50 - for Crustacea. 120 mg/l/48h (Daphnia magna) SODIUM SILICATE LC50 - for Fish. 1108 mg/l/96h (Brachydanio rerio) EC50 - for Crustacea. 1700 mg/l/48h (Daphnia magna Persistence and degradability. DISODIUM METASILICATE Solubility in water. 210000 mg/l Biodegradability: Information not available. Rapidly biodegradable. AMMONIUM PEROXYDISULPHATE Solubility in water. > 10000 mg/l Biodegradability: Information not available. Bio accumulative potential. |



|        |   | Information not available Mobility in soil. Inform  | nation not available  |
|--------|---|---|---|
| 12.3   | Results of PBT<br>and vPvB<br>Assessment: | Compliant   |   |
| 12.4   | Other Adverse<br>Effects                  | No adverse effects if used for intended purpose   |   |
|        | SECT                                      | TON 13: DISPOSAL CONSIDERATIONS   |   |
| 13.1   | Disposing<br>Information                  | Reuse, when possible. Product residues should be<br>hazardous waste. The hazard level of waste cont<br>should be evaluated according to applicable regu<br>must be performed through an authorized waste r<br>compliance with national and local regulations. W<br>maybe subject to ADR restrictions. | aining this product<br>llations. Disposal<br>nanagementfirm, in |
| 13.2   | Contaminated<br>Packaging                 | Contaminated waste must be recovered or disposi<br>with natural waste management regulations.   | ed of in compliance   |
|        | SECTIO                                    | N 14: TRANSPORTATION INFORMATION  |   |
| is sho | wn for each mode of                       | umber, proper shipping name, hazard class & div<br>f transportation. Additional descriptive information,<br>CTDGR, SCT and ADGR.  |   |
| 14.1   | Special<br>Instructions                   | Quantity: 100, Instructions: Kg, Maximum Quan   | tity: 25 563 Kg.  |
| 14.2   | UN Proper<br>Shipping Name                | ADR/RID: OXIDIZING SOLID, N.O.S. MIXTURE IMDG:<br>OXIDIZING SOLID, N.O.S. MIXTURE IATA: OXIDIZING SOLID,<br>N.O.S. MIXTURE  |   |
| 14.3   | UN Number                                 | ADR/RID, IMDG, 1479   |   |
|        | Transport Hazard                          | Class   | 5.1   |
| 14.4   | Classes                                   | Label   | 5.1   |
|        |   | EmS   | F-A, S-Q  |
| 14.5   | Packaging Group                           | ADR/RID: No   |   |
| 14.6   | Environmental<br>Hazard                   | ADR/RID: No   |   |
| 14.7   | Special<br>Precaution for<br>Users        | ADR/HIN – Kemler – 50, Limited Quantities: 5kg packaging minimum,<br>Tunnel Restriction Code: (E)   |   |
| 14.8   | Transport in Bulk                         | N/A   |   |
|        |   | TION 15: REGULATORY INFORMATION   |   |



| 15.1      | U.S Regulation   | Food, Drug and Cosmetics Act 1938                                       |
|-----------|--|---|
|           |  | Directive (EC) 1223/2009.   |
|           |  | Regulation (CE) 1272/2008   |
|           |  | Regulation (EU) 944/2013  |
|           |  | Regulation (EU) 618/2012  |
|           |  | Regulation (EU) 487/2013  |
|           |  | Regulation (EU) 453/2010  |
| 15.2      | European<br>Regulation   | Regulation (CE) 1907/2006   |
|           | Regulation   | Regulation (EU) 286/2011  |
|           |  | Regulation (EU) 790/2009  |
|           |  | Regulation (CE) 453/2010  |
|           |  | Regulation (CE) n. 648/2004 del Parlamento europeo edel Consiglio,      |
|           |  | del 31 marzo 2004   |
|           |  | Directive 76/768/CEE The Merck Index Ed. 10                             |
|           |  | Decision2013/505/UE-  |
| 15.3      | Contained  | AMMONIUMPEROXYDISULPHATEReg.no.:01-                                     |
| 10.0      | Substance  | 2119495973-19-0000Substances in Candidate List (Art. 59 REACH).         |
|           |  |   |
|           | Healthcare<br>Controls   | Workers exposed to this chemical agent must not undergo health          |
| 15.4      |  | checks, provided that available risk-assessment data prove that the     |
| 13.4      |  | risks related to the workers' health and safety are modest and that the |
|           |  | 98/24/EC directive is respected. Chemical safety assessment.            |
|           | Text of hazard (H)<br>indications<br>mentioned inspection<br>2-3 of the sheet: | Skin Sens. 1 Skin sensitization, category 1.                            |
|           |  | Met. Corr. 1 Substance or mixture corrosive to metals, category 1.      |
|           |  | Acute Tux. 4 Acute toxicity, category 4.                                |
| 15.5      |  | Ox. Sol. 3 Oxidizing solid, category 3.                                 |
| 15.5      |  | Skin Corr. 1B Skin corrosion, category 1B.                              |
|           |  | Eye Dam. 1 Serious eye damage, category 1.                              |
|           |  | Eye Irrupt. 2 Eye irritation, category 2.                               |
|           |  | Skin Irrupt. 2 Skin irritation, category 2.                             |
|           |  | STOT SE 3 Respiratory sensitization, category 1.                        |
| 15.6      | H272   | May intensify fire; Oxidizer  |
| 15.7      | H290   | May be corrosive to metals  |
| 15.8      | H315   | Causes skin irritation  |
| 15.9      | H302   | Harmful if swallowed  |
| 15.1<br>0 | H335   | May cause respiratory irritation  |



# TIBOLLI

| 15.1<br>1 | H314         | Causes severe skin burns and eye damage   |
|-----------|--------------|---|
| 15.1<br>2 | H319         | Causes serious eye irritation   |
| 15.1<br>3 | H318         | Causes serious eye damage   |
|           | SI           | ECTION 16: OTHER INFORMATION  |
| 16.1      | Disclaimer   | GKHAIR FZCO believes that the information contained in this SDS is<br>correct as of this date. However, because the material may be used<br>under conditions which GKHAIR FZCO has no control over or cannot<br>anticipate, it gives no warranty, express or implied, as to the<br>accuracy of the information and therefore, assume no responsibility for<br>any damage to a person, property or business arising from such use.<br>Moreover, it is the responsibility of the purchaser to ensure that the<br>product is properly and safely used, instructed. |
| 16.2      | Prepared by  | GKHAIR FZCO   |
| 16.3      | Company Logo | <b>GK</b>   |



GKHAIR FZCO PO BOX 342001 IFZA, DUBAI SILICON OASIS, DUBAI, UNITED ARAB EMIRATES www.gkhair.com