Product Description:

- **INCI Name:** **Sodium Bicarbonate**
- **CAS No:** **144-55-8**
- **Physical Properties:** **White, Odorless, Crystalline Powder**
- **Country of Origin:** **USA**
- **Certifications:** **USP, Kosher**
- **Bulk Packaging:** **22.68kg bag* 49 = 1,111.32kg/pallet**

Formulation Guidelines For Sodium Bicarbonate

Sodium bicarbonate, also known as baking soda, is a versatile ingredient that can be used in various cosmetic and personal care formulations. Here are some guidelines to consider when using sodium bicarbonate in formulations:

1. **pH Adjuster:** Sodium bicarbonate can be used as a pH adjuster in formulations. It has a pH around 8.3 and can help to raise the pH of acidic formulations to a more neutral or slightly alkaline range.
2. **Buffering Agent:** Sodium bicarbonate can act as a buffering agent, helping to stabilize the pH of a formulation. It can help maintain the desired pH level and prevent drastic changes due to external factors.
3. **Antacid and Soothing Properties:** Sodium bicarbonate has antacid properties and can help to neutralize excess acidity. It is often used in oral care products, such as toothpaste or mouthwash, to provide a soothing effect and neutralize acids in the mouth.
4. **Mild Abrasive:** Sodium bicarbonate has mild abrasive properties and can be used in toothpaste, facial scrubs, or exfoliating products. It helps to remove surface stains and gently exfoliate the skin without causing irritation.
5. **Compatibility:** Sodium bicarbonate is generally compatible with a wide range of cosmetic ingredients.
6. **Solubility:** Sodium bicarbonate is water-soluble and can be easily dissolved in water or aqueous solutions. Ensure that sodium bicarbonate is fully dissolved before incorporating it into your formulation to ensure even distribution throughout the product.
7. **Regulatory Considerations:** Ensure compliance with applicable regulations and guidelines for the use of sodium bicarbonate in your specific region and industry. Familiarize yourself with relevant regulations, labeling requirements, and any restrictions or limitations on its usage.
8. **Testing and Quality Control:** Before scaling up production or launching a product containing sodium bicarbonate, conduct stability testing and quality control checks to ensure the performance, stability, and safety of your formulation such as: viscosity measurements, stability tests under different conditions (temperature, pH), and microbial contamination tests.