

Introduction and Benefits:

Liquid Potassium Carbonate is one of the world's oldest chemicals. Because of this there are numerous uses and various industries that benefit from Potassium Carbonate.

Liquid Potassium Carbonate (LPC) provides multiple functions for those industries listed below. It acts as a buffered alkalinity, has a faster reaction rate than sodium carbonates, enhances fluxing properties, lowers freeze point, and has greater solubility than the sodium counterparts.

The oil industry is a dominant market for usage of LPC. It is primarily used in completion, drilling or fracturing fluids.

NASi has four manufacturing locations in the U.S. and Canada:

- ◆ Marion, OH (Corporate Headquarters)
- ◆ Corydon, IN
- ◆ Red Oak, IA
- ◆ New Hamburg, Ontario

Typical Applications:

- ◆ Oil Drilling
- ◆ Photo-Chemistry
- ◆ Textiles
- ◆ Cleaners/Soaps
- ◆ Glass
- ◆ Pigments
- ◆ Fertilizer
- ◆ Anti-Icing
- ◆ Electronics/Printed Circuit Boards



Physical Properties

Total Alkalinity
Potassium Bicarbonate, wt% as KHCO_3
Sodium, wt% as Na
Chlorides, ppm of KCl
Iron, ppm as Fe
Nickel, ppm as Ni
pH (neat)
Specific Gravity @ 20°C
Density, lbs/gal
Color

Typical Analysis*

46.6-48.0
<0.25
<0.25
<50
<10
<1
<13
1.495
12.45
Water White, nearly colorless

*Custom Formulations Available

Packaging and Availability:

Standard containers: Bulk rail, Tank truck

Storage and Handling:

Store in suitable containers made of mild steel, stainless steel, plastic, or fiberglass.

Safety and Exposure Limits:

Respiratory protection is not required under normal circumstances. If material is misted or generates carbon dioxide, use appropriate NIOSH approved respirator or self-contained breathing apparatus