



PRODUCT DATA SHEET



BAKERYLUBE OVEN CHAIN LUBRICANT

Bakerylube Oven Chain Lubricant, commonly known as Bel-Ray Bakerylube Series, is a mixture of fluid carriers and finely divided, high purity graphite powder. **Bakerylube Oven Chain Lubricant** is engineered to provide superior lubrication of chain side bars, sprockets, pins and bushings at various application temperatures. When correctly applied, the carrier fluid of **Bakerylube Oven Chain Lubricant** evaporates, depositing the graphite lubricant to the baking oven chain's critical points. The carrier fluids of **Bakerylube Oven Chain Lubricant** are carefully selected to minimize any smoke and fire risk. **Bakerylube Oven Chain Lubricant** grade selection is based on chain temperature at the point of application.

Applications

- ◆ **Bakerylube Oven Chain Lubricant - Cold Chain** – for most chains that are cooled to below 82°C (180°F) application temperature
- ◆ **Bakerylube Oven Chain Lubricant - Hot Chain** – for the oven that is difficult to cool or there is insufficient time for cooling
- ◆ **Bakerylube Oven Chain Lubricant - Cold Chain (Water Based)** – for use when safety is of the utmost concern

Features and Benefits

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| ◆ Wide application temperature range | Suitable for most bakery chain applications. |
| ◆ High purity graphite solid lubricant | Superior wear protection. |
| ◆ USDA H2 rated | Acceptable in food plants where there is no possibility of food contact. |

General Description

Bakerylube Oven Chain Lubricant is a mixture of a carrier fluid and high purity graphite powder. As do other bakery chain lubricant, **Bakerylube Oven Chain Lubricant** separates on standing. The graphite lubricating solids are easily re-suspended when **Bakerylube Oven Chain Lubricant** is agitated prior to application. When applied at recommended temperatures, weekly relubrication will keep the chain operating smoothly. The chain should be moved as little as possible until dry. Follow the **“General Instructions for Using Bakerylube Oven Chain Lubricant”** for suggested application conditions.

Product No. 301543, 300992, 301048

BAKERYLUBE OVEN CHAIN LUBRICANT

TYPICAL PROPERTIES

<u>Product No.</u>	<u>301543</u>	<u>300992</u>	<u>301048</u>
<u>Old Product No.</u>	<u>56720</u>	<u>27000</u>	<u>56740</u>
Bel-Ray Name Grade	Cold Chain	Hot Chain	Cold Chain (Water Based)
Formerly Bel-Ray Name Grade	Regular	400	WB
Base Fluid Type	Hydrocarbon	Hydrocarbon and Synthetic Fluid	Water
Lubricating Solids Type	Graphite	Graphite	Graphite
Lubricating Solids, weight %	20 to 30	10 to 20	10 to 20
Flash Point, ASTM D92			
°C	82	130	None
(°F)	(180)	(266)	None
Flash Point, ASTM D93			
°C	77	104	None
(°F)	(171)	(219)	None
Application Temperature Range			
°C	60 to 82	121 to 177	49 to 99
(°F)	(140 to 180)	(250 to 350)	(120 to 210)
Useful Temperature Range			
°C	Up to 871	Up to 871	Up to 871
(°F)	(Up to 1600)	(Up to 1600)	(Up to 1600)
Appearance	Black	Black	Black

GENERAL INSTRUCTIONS FOR USING BAKERYLUBE OVEN CHAIN LUBRICANT COLD CHAIN (301543)

Bakerylube Oven Chain Lubricant Cold Chain is graphite with a fluid carrier for use in ovens that are able to cycle down to temperatures below 82°C (180°F). It must be stirred to disperse the graphite uniformly in the fluid before application. **Bakerylube Oven Chain Lubricant Cold Chain** is a highly efficient lubricant. Weekly re-lubrication is usually sufficient. If more frequent lubrication is required to prevent chains from squeaking, discuss your application with your Bel-Ray representative.

BEFORE APPLYING:

1. Use as received and do not dilute.
2. Mix thoroughly before applying. Mixing may be necessary during application.
3. Extinguish all gas burners, pilot lights and any other source of ignition.
4. Oven temperature should be 82°C (180°F) or less.

ADDITIONAL INFORMATION:

1. Keep container tightly sealed at all times when not in use to prevent evaporation and contamination.
2. Apply by brush, swab, electric or air pump.
3. Lubricate between pins and bushings.
4. Clean the chain periodically by pinging and wire brushing (rule of thumb 4 times annually). A clean chain and free-turning rollers assure that the solids in the lubricant can migrate and leave a fine film on all the moving parts.
5. To gauge the proper temperature for application of the lubricants, use a temperature gun to measure actual temperature of the chain. Don't refer to the printout of the oven zone temperatures.
6. Establish appropriate chain speed and always lubricate while running at that speed.
7. Documentation and record keeping is essential to monitor proper application and to help establish best lube schedule and parameters to prolong the life of an oven chain.

GENERAL INSTRUCTIONS FOR USING BAKERYLUBE OVEN CHAIN LUBRICANT HOT CHAIN (300992)

Bakerylube Oven Chain Lubricant Hot Chain is graphite and a fluid carrier for use in the oven that is difficult to cool, or where the chain must be lubricated before there is sufficient time for cooling. It must be stirred to disperse the solid lubricants uniformly in the fluid before application. **Bakerylube Oven Chain Lubricant Hot Chain** is a highly efficient lubricant.

Weekly re-lubrication is usually sufficient. If more frequent lubrication is required to prevent chains from squeaking, discuss your application with your Bel-Ray representative.

Bakerylube Oven Chain Lubricant Hot Chain – Application temperature should be 121 to 177°C (250 to 350°F).

BEFORE APPLYING:

1. Use as received and do not dilute.
2. Mix thoroughly before applying. Mixing may be necessary during application.
3. Keep container tightly sealed at all times when not in use to prevent contamination.
4. Apply by brush, swab, electric or air pump.

ADDITIONAL INFORMATION:

Clean the chain periodically by pinging and wire brushing (rule of thumb 4 times annually). A clean chain and free-turning rollers assure that the solids in the lubricant can migrate and leave a fine film on all the moving parts. To gauge the proper temperature for application of the lubricants, use a temperature gun to measure the actual temperature of the chain. Don't refer to the printout of the oven zone temperatures. Establish appropriate chain speed and always lubricate while running at that speed.

Documentation and record keeping is essential to monitor proper application and to help establish best lube schedule and parameters to prolong the life of an oven chain.

**GENERAL INSTRUCTIONS FOR USING
BAKERYLUBE
OVEN CHAIN LUBRICANT COLD CHAIN (WATER-BASED, 301048)**

Bakerylube Oven Chain Lubricant Cold Chain (Water-Based) should be applied at temperatures between 49° to 99°C (120 to 210°F). When applied, there may be steam and/or vapors released. Ventilation system should be on. **Bakerylube Oven Chain Lubricant Cold Chain (Water-Based)** is non-flammable and should be used where safety is of the utmost concern.

Bakerylube Oven Chain Lubricant Cold Chain (Water-Based) is graphite and a fluid carrier. It must be stirred to disperse the graphite uniformly in the fluid before and during application. **Bakerylube Oven Chain Lubricant Cold Chain (Water-Based)** is a highly efficient lubricant. Apply it only near the bearing points between the side bars, and side bars and rollers.

Weekly re-lubrication is usually sufficient. If more frequent lubrication is required to prevent chains from squeaking, discuss your application with your Bel-Ray representative.

BEFORE APPLYING (apply by brush, spray, pump or oil can):

1. Prepare the oven according to the instructions above.
 2. Make sure the oven temperature is correct.
 3. Mix the lubricant to disperse the graphite. Mixing may be necessary during application.
- AFTER APPLICATION, RUN THE CHAIN AS LITTLE AS POSSIBLE UNTIL THE FLUID HAS EVAPORATED.**