



# Oxylub<sup>®</sup>-709

## glass forging lubricant

### Description

A water-based, protective and lubricating glass coating

Formulated to protect and lubricate nickel alloys during hot forging processes.

### Performance Characteristics

- effective temperature range 1850-2200<sup>0</sup> F (1010-1204<sup>0</sup> C)
- provides excellent lubrication and protection
- exceptional insulating properties
- demonstrates heat retention properties for improved performance in hot working operations
- outstanding coverage & performance in one coat
- demonstrates exceptional green strength upon proper drying to withstand cracking, chipping, peeling, etc.
- provides excellent rheological properties for dipping and spraying applications

### Recommendations for Use

- thoroughly suspend and mix before use
- metal surfaces must be free of dirt, oil, grease, metal oxides, and other materials
- coating thickness depends on the time and temperature of exposure (generally, the higher the temperature and longer exposure, the thicker the coating should be applied)
- a wet film thickness of  $8 \pm 3$  mL should be optimal

- ensure bottom coat is thoroughly dried when applying multiple coats
- water-based coatings need ample time to completely dry before entering furnace (can be applied over preheated substrate to accelerate drying time)

## Typical Properties

pH	8.0-9.0
% Solids	55 ± 0.5
Vehicle	Water
Viscosity (@ 25°C) as Supplied	1,300-1,800 CPS
Weight/Gallon (lbs)	13.0 ± 0.5 lbs
Specific Gravity	1.45-1.55
Color	white
Shelf Life	~1 year

## Product Safety

Before handling the materials listed in this bulletin, read and understand the product MSDS (Material Safety Data Sheet) for additional information on personal protective equipment and for safety, health, and environmental information.

No chemical should be used as or in a food, drug, medical device, or cosmetic, or in a product or process in which it may contact a food, drug, medical device, or cosmetic until the user has determined the suitability and legality of the use. Since government regulations and use conditions are subject to change, it is the user's responsibility to determine that this information is appropriate and suitable under current, applicable laws and regulations.

Advanced Technical Products Supply Co., Inc. requests that the customer read, understand, and comply with the information contained in this publication and the current MSDS(s). The customer should furnish the information in this publication to its employees, contractors, and customers, or any other users of the product(s), and request that they do the same.

## Storage and Handling

Oxylub-709 should be stored indoors in the original unopened and undamaged container, in a dry place at a temperature not exceeding 120 F. Exposure to direct sunlight should be avoided.

IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Advanced Technical Products expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; **NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN.** The information provided herein relates only to the specific product designated any may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent

and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.



**Advanced Technical Products Supply Co., Inc.**

6186 Centre Park Drive  
West Chester, OH 45069  
USA

China Representative:  
Wuxi Yura Aviation Power Co. Ltd  
Tel: 86-510-88270899

Visit our website:

[www.advancedtechnicalprod.com](http://www.advancedtechnicalprod.com)