



2091 Las Palmas Drive Ste F, Carlsbad, CA 92011-1551  
Tel: 760.931.1500 - Fax: 760.931.1504  
Email: info@arc-zone.com

## MATERIAL SAFETY DATA SHEET

<b>SECTION 1. CHEMICAL IDENTIFICATION</b>	
MSDS Version Number:	MSDS-LCG-1
Product Trade Name:	NEUTRA Grinding Liquid EP 770
Date of Issue:	8/17/2010
Total Number of Pages:	2
<b>SECTION 2. COMPOSITION, INFORMATION ON INGREDIENTS</b>	
NEUTRA is a synthetic, water-miscible lubricant designed for grinding, but is also suitable in the processing and treatment of steel, cast iron and non-ferrous metals. It is for use in the above mentioned industrial processes only and must not be used for any other purpose and certainly not for any domestic purposes or applications. NEUTRA contains:	
Natriumbenzoat (Cas. Nr. 532-32-1)	1%
Alcanolamin compounds	<0.1%
Glycol derivatives	<0.1%
Preservatives	<0.1%
Dye and Water	<0.1%
<b>SECTION 3. HAZARDS IDENTIFICATIONS</b>	
Not classified as hazardous. Product has a degreasing effect and repeated or prolonged contact with the skin may produce irritation.	
<b>SECTION 4. FIRST AID MEASURES</b>	
Inhalation:	Place the patient in fresh air. If discomfort or breathing difficulty continues consult a physician or hospital immediately.
Eye Contact:	For irritation and discomfort, remove spectacles or contact lenses. Flush with water with an eye bath or flushing bottle is recommended.
Skin Contact:	Has a degreasing effect and repeated contact may result in inflammation and irritation. of the skin. Remove contaminated clothing immediately and wash skin carefully with warm water and mild soap. Apply a moisturizer.
Ingestion:	Do not induce vomiting. Contact a physician immediately.
<b>SECTION 5. FIRE FIGHTING MEASURES</b>	
Flash Point:	Not applicable
Flammable Limits:	Not applicable
Auto-ignition Temperature:	Not applicable
General Hazard:	Avoid breathing byproduct gases. Use appropriate respirator.
Extinguishing Media:	Carbon Dioxide, power or foam. Do not use water directly.
Hazardous Combustion Byproducts:	Non-flammable. If exposed to flame the byproducts are carbon, oxides of carbon, nitrogen and sulfur, and can cause toxic gases.
<b>SECTION 6. ACCIDENTAL RELEASE MEASURES</b>	
Land-spill:	Use absorbent to contain spillage and dispose of in accordance with local laws
Water-spill:	No information
<b>SECTION 7. HANDLING AND STORAGE</b>	
Electrostatic Accumulation Hazard: Not applicable	Storage Temperature: between 1-40° C
Storage / Transport Pressure: Not applicable	Loading / Unloading Temperature: Not applicable
Viscosity at Loading / Unloading Temp: Not applicable	Reference Number: Not applicable

<b>SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION</b>		
Limits:	Maximum HGV limit of 3 PPM / 6mg- / m3 must not be exceeded	
Respiratory Measures:	Use NIOSH approved respirator when welding in confined spaces and whenever fume concentrations exceed applicable limits for tungsten or other welding fumes	
Ventilation:	Good ventilation is required to prevent the formation of aerosol hazes. Use room ventilators or local fume extraction systems if necessary.	
Mechanical:	Not applicable	
Hand Protection:	Use of Rubber or PVC gloves is recommended.	
Eye Protection:	Safety glasses	
When using the product inside the grinder, there is no need of personal protection.		
<b>SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES</b>		
Appearance:	Green/Red liquid	
pH:	9.2 at 1.30 (DIN 51369)	
Specific Gravity:	No information	
Vapor Pressure:	No information	
Solubility in Water:	Yes	
Viscosity:	15Cst at 20° C	
Specific Grav. of Vapor at 1 ATM (Air=1)	No information	
Freezing / Melting Point:	Approximately 32 °F / 0 °C	
Evaporating Rate, N=BU ACETATE=1:	No information	
Boiling Point:	About 212°F / 100°C	
<b>SECTION 10. STABILITY AND REACTIVITY</b>		
Chemical Stability:	No information	
Conditions to Avoid Instability:	None in particular. The product is stable under normal conditions	
Materials to Avoid Incompatibility:	Strong acids and bases as well as strong oxidizing compounds.	
Hazardous Decomposition Products:	Small quantities of oxides of carbon, sulphur and nitrogen.	
Hazardous Polymerization:	No information	
<b>SECTION 11. TOXICOLOGICAL INFORMATION</b>		
<b>Short term effects:</b> Contact with the eyes will cause irritation and discomfort. When in contact with the skin, the concentration has a degreasing effect. Consumption of the concentrate will produce nausea. Consumption of the mixture may also result in nausea. <b>Long term effects:</b> Contact with the eyes will cause great discomfort and medical attention must be obtained. Long-term or repeated skin contact with the concentrate may result in inflammation of the skin. Mixtures of too high a concentration, or polluted with other oils, may increase the risk of skin problems.		
<b>SECTION 12. ECOLOGICAL INFORMATION</b>		
<b>Mobility:</b> Concentrate – low viscosity fluid. Able to seep into the ground and to be dissolved in water.		
<b>Persistence and degradation:</b> No information		
<b>Potential for cumulative biological effect:</b> No information		
<b>Aquatic toxicity:</b> No information		
<b>SECTION 13. DISPOSAL CONSIDERATIONS</b>		
State or local regulations are complex and may differ from federal regulations. The owner of the LCG Grinding Liquid is responsible for proper waste disposal in accordance with applicable laws and regulations.		
<b>SECTION 14. TRANSPORT INFORMATION</b>		
Not special requirements.		
<b>SECTION 15. REGULATORY INFORMATION</b>		
IMDG: Non-dangerous good	ICAO: Non-dangerous good	ADR RID: Non-dangerous good

**NEUTRA LCG Grinding Liquid EP 770:** This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. Arc-Zone.com does not accept liability for any loss or damage that may occur from this information nor offers warranty against patent infringement.