



PRODUCT BULLETIN

ELDORADO AC-111

ORGANIC ACID CLEANER

ELDORADO AC-111 is a liquid acid cleaner, used diluted in soft water for descaling of jet engine hot section parts and calcium deposit removal. **AC-111** burns with no residue; therefore, no corrosion due to molten salt may occur in the combustion section of turbine engines

PROPERTIES

1. Surfactants are biodegradable.
2. Contains no EPA- or OSHA-hazardous materials.
3. Safe for use on ferrous alloys, nickel alloys, aluminum, copper, and titanium.
4. Not safe on magnesium.
5. Contains no metals, sulfur, or chlorine.
6. Approved by or conforms to: Rolls-Royce, General Electric, Pratt & Whitney

USE

AC-111 is normally used as one of the steps in a jet engine-cleaning process. Parts to be conditioned prior to immersion in an alkaline descaler, such as **Eldorado HTP-1150**, are immersed in **AC-111** at a concentration of 20%, at 160°-180°F, for 30-60 minutes. Rinse parts thoroughly before proceeding to the next tank so that cross-contamination of processing solutions will be minimized.

AC-111 may also be used for heat scale removal following immersion in permanganate scale conditioners, such as **Eldorado HTP-1190**. Parts should be immersed in 20% **AC-111**, at 160°-180°F, for 5-15 minutes. Rinse thoroughly. Tanks and heaters constructed with 316 or 321 stainless steel are recommended for use with **AC-111**.

AC-111 is also used to remove water scale and calcium deposits. Circulate a 20%-solution of **AC-111** through area to be descaled. **AC-111** may also be used to remove sodium residues from alkaline-cleaning operations.

PRECAUTIONS

Avoid skin contact of **AC-111** solutions through the use of a face shield, rubber apron, gloves, and boots. Consult MSDS for further details.

Eldorado Solutions, Inc. (dba of Eldorado Chemical Co, Inc.) 8935 N. Meridian Ste 205 Indianapolis, IN 46260
Manufacturing: San Antonio, Miami www.eldoradochem.com techservice@eldoradochem.com (800) 531-1088

NOTICE: The information presented here is based upon our laboratory tests and field use experience. Since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. **Eldorado Chemical Co., Inc.**'s sole obligation shall be to replace that portion of the product shown to be defective; nor shall we be liable for any loss, damage or injury—direct or consequential—arising out of the use of this product.

Rev. 041503

