



YOUR METALWORKING FLUID SOLUTIONS FOR SOLUTIONS

OAKFLO[®] DSY 4300

SYNTHETIC, METALWORKING FLUID CONCENTRATE

APPLICATIONS	<p>OAKFLO[®] DSY 4300 is a moderate to heavy-duty metalworking fluid for machining and grinding operations on ferrous and non-ferrous metals. Well suited for use on aerospace materials.</p> <p>Metals: Aluminum Alloys (2024, 6061, 7050, 7075, 380, 390), Cast Iron, Nodular Iron, Carbon Steels, Stainless Steels, Titanium, Other Exotic Alloys</p> <p>Duty Range: For moderate-duty operations</p>
FEATURES & BENEFITS	<p>OAKFLO[®] DSY 430 is a unique, almost neutral pH synthetic fluid designed to meet aerospace requirements for materials compatibility.</p> <p>EXCELLENT LUBRICITY</p> <p>EXCELLENT CLEANLINESS - Rejects tramp oil to keep product clean, which extends sump life.</p> <p>OPERATOR - FRIENDLY – Provides excellent part visibility – A fresh mix is transparent – No Smoke – Low Misting – Mild to the skin.</p> <p>EXCELLENT RANCIDITY CONTROL – Excellent fluid life – Minimizes the need for additives.</p> <p>EXCELLENT MACHINE COMPATIBILITY – Does not leave a slippery, oily film on parts, machines or surrounding areas.</p> <p>EXCELLENT FOAM CONTROL- Even in operations with high agitation.</p> <p>ENVIRONMENTALLY FRIENDLY - Easily recycled</p>

**RECOMMENDED
STARTING
DILUTIONS**

FOR INDUSTRIAL USE ONLY

Recommended Starting Dilution: 5% (1:20)

Typical Operating Range: 5%- 10% (1:20 to 1:10)

OAKFLO® DSY 4300 is to be mixed with water for use (add concentrate to water).

Add no other substances to the concentrate or mix unless approved by Oak Signature Technical Services. Not recommended for use with magnesium or alloyed magnesium.

For concentration analysis, use the Total Alkalinity Titration Procedure, BCG Titration Procedure, CIMCHEK™ Test Strip, or Refractometer.

**TYPICAL
PHYSICAL AND
CHEMICAL
PROPERTIES**

Physical state: Liquid

Appearance and odor: Clear / Chemical

Colors available: Undyed

Solubility in water: 100% Miscible

Weight, lb/gal, 60°F (15.6°C): 9.02

Specific gravity, (H₂O = 1): 1.081

Boiling point, °F (°C): 212 (100.0)

Flash point, COC, °F (°C): None, Self extinguishing

Fire point, COC, °F (°C): None, Self extinguishing

Freezing point (or pour point), °F, (°C): 13 (-11)

If frozen, thaw completely at room temperature.

pH, concentrate: 8.2

pH, 5.0% mix, typical operating conditions: 7.8

Total chlorine/chloride, wt%, calculated: 0.00/0.09

Total sulfur, wt%, calculated: 0.00

Silicone: None

PACKAGING

Available in 5-gallon pails, 55-gallon drums, and bulk containers.

REFRACTOMETER FACTOR: 1.7

Multiply the scale reading obtained on your OAK SIGNATURE® Refractometer by this factor to obtain the mix concentration in percent. Calibrate the refractometer so that it reads 0.0 with water before testing the sample mix. Remove gross contaminants from the sample mixes before testing. A refractometer is only recommended for use in checking the concentration on a fresh charge.

SAFETY DATA SHEET

Available at www.cimcool.com

For additional information refer to its OSHA MSDS, website or contact your local OAK SIGNATURE SPECIALIST OR DISTRICT MANAGER, or you may contact OAK SIGNATURE® Technical Services at 1-513-458-8199

Limitation of Liability: Under no circumstances, shall we or any affiliate of ours have any liability whatsoever for loss of use, or for any indirect or consequential damages. Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.

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