

**MOLTOX™ REFERENCE OIL NO. 1  
APPLICATION AND FORMULATION STATEMENT**

**LOT NO.:** 55154  
**PART NO.:** 60-900

**PRODUCT:** Reference Oil No. 1

**PRODUCTION DATE:** Jan 24, 1990

**PACKAGING DATE:** September 18, 2020

**EXPIRATION DATE:** N/A

*STORE TIGHTLY SEALED AT AMBIENT TEMPERATURE*

**APPLICATION:** Reference Oil No. 1 is used as the positive control in the ASTM E1687 test method, "Standard Test Method for Determining Carcinogenic Potential of Virgin Base Oils in Metalworking Fluids".

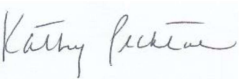
**PROCEDURE:** Reference Oil No. 1 must be extracted into DMSO prior to use; 1:5 Reference Oil No. 1: DMSO, agitate vigorously (30 min), centrifuge (200 g, 10 min), collect lower layer into a separate vessel and store as above. Refer to ASTM test method for proper volumes to use to achieve a dose response with this material.

**FORMULATION & ASSEMBLY:**

COMPONENT	SUPPLIER	CATALOG/LOT NO.	AMOUNT PER VIAL
Reference Oil No. 1	Atlas Processing Company (defunct; formally a subsidiary of Pennzoil Company)	N/A*	30 ml

\* Reference Oil No. 1 was obtained as an experimental substance from an unrefined lubricating oil batch. As this product was never sold as an end product by the vendor, this material has no vendor catalog or lot number.

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