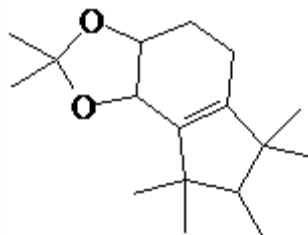


## SPECIFICATION SHEET

<b>VERSION</b>	1,00	<b>VERSION DATE</b>	27/06/23	<b>PRINT DATE</b>	05/05/24
<b>PRODUCT</b>	OPERANIDE IFF				
<b>APPLICATIONS</b>	Industrial raw material not intended for direct use.				
<b>IUPAC NAME</b>	3a,5,6,7,8,8b-HEXAYDRO-2,2,6,6,7,8,8-HEPTAMETHYL-4H-INDENO[4,5-D]-1,3-DIOXOLE				
<b>SYNONYMS</b>	OPERANIDE				
<b>FORMULA</b>	C17 H28 O2				
<b>MOLECULAR WEIGHT</b>	264,00				
<b>CAS</b>	823178-41-2				
<b>EINECS</b>	457-070-4				
<b>TARIFF NUMBER</b>	2932990090				
<b>REACH REGISTRATION NO.</b>	01-0000019329-63				



## SPECIFICATIONS

<b>ASPECT AT 20°C</b>	CLEAR VISCOUS LIQUID	
<b>COLOUR</b>	PALE YELLOW TO YELLOW-GREEN	
<b>ODOUR</b>	CEDAR, WOODY, CREAMY, POWDERY, AMBER	
<b>TASTE</b>		
<b>DENSITY AT 20°C (g / ml)</b>	0,970	- 0,980
<b>DENSITY 25/25</b>	0,969	- 0,979
<b>REFRACTIVE INDEX nD20</b>	1,4750	- 1,4850
<b>REFRACTIVE INDEX nD25</b>		-
<b>OPTICAL ROTATION (°)</b>		/
<b>BOILING POINT (°C)</b>	-	
<b>MELTING POINT (°C)</b>	-	
<b>FLASH POINT (°C)</b>	123,00	
<b>ASSAY (% GC)</b>	MINOR ISOMERS: 4-15%; MAJOR ISOMERS: >85%	
<b>ACID VALUE (mg KOH/g)</b>	-	
<b>SOLUBILITY</b>	INSOLUBLE IN WATER	
<b>VAPOUR PRESSURE</b>	<0,01 torr 20°C, 0,003438 23°C	
<b>OTHER SOLUBILITIES</b>	SOLUBLE IN ETHANOL	

**OTHER TECHNICAL DATA** CASHMERAN <0,5%. HEAT AT 60-70°C FOR 24 HOURS AND STIR BEFORE USE.

## STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE.  
IT CONTAINS 0,1% OF STABILIFF (CAS 6386-38-5) AS PRESERVATIVE.

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE.  
IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.