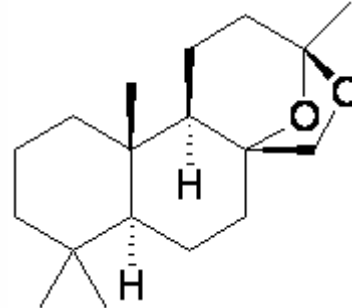


## SPECIFICATION SHEET

|                               |   |                     |          |                   |          |
|-------------------------------|---|---------------------|----------|-------------------|----------|
| <b>VERSION</b>                | 3,00  | <b>VERSION DATE</b> | 27/08/21 | <b>PRINT DATE</b> | 19/09/24 |
| <b>PRODUCT</b>                | Z11 MIP   |                     |          |                   |          |
| <b>APPLICATIONS</b>           | Industrial raw material not intended for direct use.  |                     |          |                   |          |
| <b>IUPAC NAME</b>             | 3,8,8,11a-TETRAMETHYLDODECAHYDRO-5H-3,5a-EPOXY-NAPHT[2,1-C]OXEPIN (IN SOLV                    |                     |          |                   |          |
| <b>SYNONYMS</b>               | AMBER OXEPIN, AMBERKETAL, Z11, KETAMBER, AMBERMOR KETAL                                       |                     |          |                   |          |
| <b>FORMULA</b>                | C18 H30 O2  |                     |          |                   |          |
| <b>MOLECULAR WEIGHT</b>       | 278,44  |                     |          |                   |          |
| <b>CAS</b>                    | 57345-19-4  |                     |          |                   |          |
| <b>EINECS</b>                 | 260-686-4   |                     |          |                   |          |
| <b>TARIFF NUMBER</b>          | 3302909000  |                     |          |                   |          |
| <b>REACH REGISTRATION NO.</b> | All the ingredients of the mixture have been registered or they are exempt from registration. |                     |          |                   |          |



## SPECIFICATIONS

|                                 |  |          |
|---------------------------------|--|----------|
| <b>ASPECT AT 20°C</b>           | CLEAR MOBILE LIQUID/SOLID                        |          |
| <b>COLOUR</b>                   | COLORLESS TO PALE YELLOW                         |          |
| <b>ODOUR</b>                    | WOODY, AMBER, DRY                                |          |
| <b>TASTE</b>                    |  |          |
| <b>DENSITY AT 20°C (g / ml)</b> | 0,867  | - 0,877  |
| <b>DENSITY 25/25</b>            | -  |          |
| <b>REFRACTIVE INDEX nD20</b>    | 1,4380   | - 1,4440 |
| <b>REFRACTIVE INDEX nD25</b>    | -  |          |
| <b>OPTICAL ROTATION (°)</b>     | /  |          |
| <b>BOILING POINT (°C)</b>       | -  |          |
| <b>MELTING POINT (°C)</b>       | -  |          |
| <b>FLASH POINT (°C)</b>         | 101,00   |          |
| <b>ASSAY (% GC)</b>             | APPROX.PERCENTAGES BY GC:SUM 4%; EPI ISOMER 1,5% |          |
| <b>ACID VALUE (mg KOH/g)</b>    | -  |          |
| <b>SOLUBILITY</b>               | INSOLUBLE IN WATER                               |          |
| <b>VAPOUR PRESSURE</b>          | NOT DETERMINED                                   |          |
| <b>OTHER SOLUBILITIES</b>       | SOLUBLE IN ETHANOL                               |          |

|                             |  |
|-----------------------------|--|
| <b>OTHER TECHNICAL DATA</b> | EXCELLENT STABILITY IN MOST MEDIA. TENACITY: 1 MONTH ON A BLOTTER. SUM OF THE TWO Z11 MAIN ISOMERS: 4% APPROX. BY GC. ISOPROPYL MYRISTATE 90% AND TOTAL Z11 10% IN WEIGHT. |
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## 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.  
PURGE HEADSPACE WITH NITROGEN TO AVOID OXIGEN AND MOISTURE. IF CRYSTALS APPEAR, HEAT AT 40°C APPROX.

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.