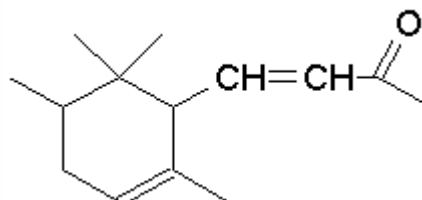


## SPECIFICATION SHEET

**VERSION** 2,00 **VERSION DATE** 09/08/23 **PRINT DATE** 18/05/24

**PRODUCT** IRONE ALPHA 950324 FIRMENICH  
**APPLICATIONS** Industrial raw material not intended for direct use.  
**IUPAC NAME** 4-(2,5,6,6-TETRAMETHYL-2-CYCLOHEXEN-1-YL)-3-BUTEN-2-ONE  
**SYNONYMS** 5-METHYL-ALPHA-IONONE

**FORMULA** C14 H22 O  
**MOLECULAR WEIGHT** 206,33  
**CAS** 79-69-6  
**CAS 2** 54992-91-5  
**EINECS** 201-219-6  
**EINECS 2** 259-427-8  
**FEMA** 2597  
**TARIFF NUMBER** 2914230000



**REACH REGISTRATION NO.** Exempt from registration (imported/manufactured < 1 ton/year)

## SPECIFICATIONS

|                                 |                                 |
|---------------------------------|---------------------------------|
| <b>ASPECT AT 20°C</b>           | CLEAR MOBILE LIQUID             |
| <b>COLOUR</b>                   | COLOURLESS TO YELLOW            |
| <b>ODOUR</b>                    | IRIS, WOODY, SWEET, FLORAL      |
| <b>TASTE</b>                    |                                 |
| <b>DENSITY AT 20°C (g / ml)</b> | 0,928 - 0,936                   |
| <b>DENSITY 25/25</b>            | 0,927 - 1,935                   |
| <b>REFRACTIVE INDEX nD20</b>    | 1,4990 - 1,5030                 |
| <b>REFRACTIVE INDEX nD25</b>    | 1,4970 - 1,5010                 |
| <b>OPTICAL ROTATION (°)</b>     | /                               |
| <b>BOILING POINT (°C)</b>       | 109°C (0,36 kPa); 290°C (1 atm) |
| <b>MELTING POINT (°C)</b>       | ca. -50°C                       |
| <b>FLASH POINT (°C)</b>         | 125,00                          |
| <b>ASSAY (% GC)</b>             | SUM OF THREE ISOMERS > 85       |
| <b>ACID VALUE (mg KOH/g)</b>    | -                               |
| <b>SOLUBILITY</b>               | INSOLUBLE IN WATER              |
| <b>VAPOUR PRESSURE</b>          | 1,029250472 Pa                  |
| <b>OTHER SOLUBILITIES</b>       | SOLUBLE IN ETHANOL              |

## OTHER TECHNICAL DATA

## 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.

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.