

## SPECIFICATION SHEET

VERSION 8      VERSION DATE 09/08/23      PRINT DATE 01/05/26

PRODUCT ALPHA IRONE  
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 C<sub>14</sub> H<sub>22</sub> 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  
CoE 145  
FDA 172.515  
TARIFF NUMBER 2914230000  
FOOD GRADE CERTIFICATE AVAILABLE ON REQUEST

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ASPECT AT 20°C CLEAR MOBILE LIQUID  
COLOUR PALE YELLOW  
ODOUR IRIS, WOODY, SWEET, FLORAL  
DENSITY AT 20°C (g / ml) 0,931-0,937  
DENSITY 25/25 0,930-0,936  
REFRACTIVE INDEX nD20 1,4990-1,5030  
REFRACTIVE INDEX nD25 -  
OPTICAL ROTATION (°) /  
BOILING POINT (°C) 109°C (0,36 kPa);290°C (1 atm)  
MELTING POINT (°C) ca. -50°C  
FLASH POINT (°C) 110  
ASSAY (% GC) SUM 4 ISOMERS > 97 (45-60/38-48/0-7/0-3)  
ACID VALUE (mg KOH/g) -  
SOLUBILITY INSOLUBLE IN WATER  
VAPOUR PRESSURE 0,004 hPa (20°C)  
OTHER SOLUBILITIES SOLUBLE IN ETHANOL

OTHER TECHNICAL DATA ISOMER TRANS-ALPHA 45-60%. ISOMER CIS-ALPHA 38-48%. ISOMER BETA-IRONE 0-7%.

## STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 30 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. THIS PRODUCT HAS NOT BEEN FILTERED DUE TO TECHNICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN FOOD INTENDED FOR FINAL CONSUMERS.

### PRODASYNTH SAS

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