

**Compound Name:**

**Molecular Formula:**   
 C, H, then the other elements are alphabetical order, "%,"\* for the wild card

**Molecular Weight:**  to   
 Numbers between left and right columns Up to the first place of a decimal point

**CAS Registry No.:**  **507-20-0**  
 "%,"\* for the wild card.

**SDBS No.:**   
 "%,"\* for the wild card.

**Atoms:**  
 C(Carbon)  to   
 H(Hydrogen)  to   
 N(Nitrogen)  to   
 O(Oxygen)  to   
 F(Fluorine)  to   
 Cl(Chlorine)  to   
 Br(Bromine)  to   
 I(Iodine)  to   
 S(Sulfur)  to   
 P(Phosphorus)  to   
 Si(Silicon)  to   
 Numbers between left and right columns.

**Spectrum:**  
 Check the spectra of your interest.  
 MS  IR  
 <sup>13</sup>C NMR  Raman  
 <sup>1</sup>H NMR  ESR

**IR Peaks(cm<sup>-1</sup>):** Allowance  ±  10  
 " " or space is the separator for multiple peaks. Use "-", to set a range: eg. 550-750,1650 3000-  
 Transmittance <  %

**<sup>13</sup>C NMR Shift(ppm):** Allowance  ±  2.0  
 " " is the separator for multiple shifts, eg. 129.3,18.4,....

**No shift regions:**

**<sup>1</sup>H NMR Shift(ppm):** Allowance  ±  0.2  
**No shift regions:**

**MS Peaks and intensities:**   
 Mass and its intensity are a set of data separated by a space, eg. 110 22,....

Hit:  20hit   Result Display type:  with Structures

**SDBS Information**

**SDBS No.:** 1233

**Compound Name:** 2-chloro-2-methylpropane

**Molecular Formula:** C<sub>4</sub>H<sub>9</sub>Cl

**Molecular Weight:** 92.6

**CAS Registry No.:** 507-20-0

**Spectral Code:**  
[Mass:](#)  
[<sup>13</sup>C NMR: in CDCl<sub>3</sub>](#)  
[<sup>1</sup>H NMR: parameter in CDCl<sub>3</sub>](#)  
[IR: liquid film](#)  
[IR: CCl<sub>4</sub> solution](#)  
[Raman: 4880 A 200 M liquid](#)  
[ESR: GAMMA-RAY IRRAD. AT 77K](#)

[Chemical Information:](#)  
[Return to Search:](#)  
[Return to Result:](#)

**IR Spectrum:** **IR-NIDA-03720 : LIQUID FILM**  
 Wavenumber (cm<sup>-1</sup>): 4000 to 500  
 Transmittance (%): 0 to 100

3267	84	2767	86	1476	26	571	12
2986	4	2727	81	1456	20		
2976	4	2634	86	1396	46		
2349	17	2401	86	1371	6		
2929	13	2296	84	1240	18		
2902	25	2180	84	1159	5		
2868	34	1734	86	810	22		

CC(C)(C)Cl

**SDBS Information**

**SDBS No.:** 506

**Compound Name:** 2-methyl-2-propanol

**Molecular Formula:** C<sub>4</sub>H<sub>10</sub>O

**Molecular Weight:** 74.1

**CAS Registry No.:** 75-65-0

**Spectral Code:**  
[Mass:](#)  
[<sup>13</sup>C NMR: in 50% D<sub>2</sub>O](#)  
[<sup>13</sup>C NMR: in CDCl<sub>3</sub>](#)  
[<sup>1</sup>H NMR: parameter in CDCl<sub>3</sub>](#)  
[IR: liquid film](#)  
[IR: CCl<sub>4</sub> solution](#)  
[Raman: 4880 A 100M liquid](#)  
[ESR: OXIDATION WITH TI\(III\)/H<sub>2</sub>O<sub>2</sub>](#)  
[ESR: REACTION OF](#)  
[TiCl<sub>3</sub>·\(\(CH<sub>3</sub>\)<sub>3</sub>COH\)/H<sub>2</sub>O AT PH. 2.0](#)

[Chemical Information:](#)

**IR Spectrum:** **IR-NIDA-05409 : LIQUID FILM**  
 Wavenumber (cm<sup>-1</sup>): 4000 to 500  
 Transmittance (%): 0 to 100

3366	13	1630	77	1202	12	511	81
3038	72	1606	58	1022	84	471	77
2974	4	1501	82	813	13		
2940	31	1471	36	749	32		
2875	44	1381	20	693	58		
2564	79	1365	13	648	88		
2386	86	1239	37	643	68		

CC(C)(C)O

