

Barin

# 纯物质 热化学 数据手册

上卷

Thermochemical  
Data of Pure Substances

(Ag—Kr)

〔土耳其〕伊赫桑·巴伦 主编

程乃良 牛四通 徐桂英 等译



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## 内 容 简 介

本书包含近 3300 组物质与物相的热化学数据,温度范围最高可达 3500 度。本书与 JANAF 一致,采用国际单位制,是迄今收集物质总数最多、温度范围最宽的一部纯物质热化学数据手册。本书原版为第三版,经过多次修正和不断充实,数据更为准确可靠。

本书可供冶金、化工、陶瓷、材料及相关学科的生产、科研人员以及大专院校师生参考使用。

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## 译者的话

本书是几位译者在对现有的中外类似著作进行考察、比较、分析后,选定翻译的热力学工具书。参加本书翻译工作的主要有程乃良、牛四通、徐桂英、沈卫平、周张健等同志。

本书特点是:包含有最大数量的纯元素、化合物的热化学数据,和最宽的适用温度范围;共收录近 3300 种物质与物相,并以每 100 K 为温度间隔,以列表的方式给出各温度点处的热化学数据。

本书还专门给出了书中数据所遵循的化学热力学基本原理,并以举例的方式介绍了不同工艺条件下各热化学参数的求法和表

中数据的使用方法。

为进一步提升本书的质量和价值,我们热诚欢迎各位读者在使用过程中不吝赐教,以便日后重印时更正。

最后全体译者由衷地感谢科学出版社的胡华强副编审、吴俭副编审以及顾英利编辑为本书的出版所做出的巨大努力!同时感谢出版社给予我们的大力支持!

译者  
2003.8.5

## 第一版序

这部新的由 Barin(巴伦)教授编著的热化学数据手册将受到全世界冶金、材料、陶瓷和化工等领域工程师们的欢迎。在这部书中读者将可以查找到迄今为止最全面的以每 100 K 温度为间隔、以温度为函数的纯物质的热力学数据。大约收录有 2400 种物质——涵盖各种元素,以及二元、三元和四元化合物。其中绝大部分是无机物,而且 Barin 教授还收录了大量的、较普通的碳氢化合物、碳水化合物和一些氯-碳氢化合物。表的格式与 JANAF 表一致,采用国际单位制(SI)。为了更好地欣赏 Barin 博士的工作,下面我将把它与我通常使用的其他汇编著作进行比较。

**JANAF 表** 这些表均经过严格的整理,每张表都附有一段文字,以说明对数据的考

究和在相互矛盾的数据中做出选择的原因。编写的目的决定了该表主要选取的是对于项目发起人(美国空军和美国能源部)具有重要意义的物质,结果是将重点放在了对燃料燃烧、喷气机和火箭推动器与空气污染来说非常重要的物质。很多对冶金及其相关领域来说非常重要的元素和化合物并没有被包括进去。例如,没有关于 Ag, As, Au, Bi, Cd, Ce, In, Ir, La, Pd, Pt, Se, Sn, Te, Y 和 U 等元素及其化合物的数据表;并且很多对于冶金计算来说至关重要的化合物,如  $\text{Cu}_2\text{S}$ ,  $\text{NiO}$ ,  $\text{NiSO}_4$ ,  $\text{PbSO}_4$ ,  $\text{ZnO}$  和  $\text{ZnS}$  也没有包括进去。

**美国矿业局通报(USBM)第 672, 674 和 677 期** 通报第 672 和 674 期非常完整地涵盖了元素、二元氧化物和二元卤化物。通

报第 677 期概括了第 672 和 674 期数据并添加了一般常用的砷化物、锑化物、硼化物、碳化物、碳酸盐、氢化物、氮化物、磷化物、硒化物、硅酸盐、硅化物、硫酸盐、硫化物和碲化物的数据表。然而增订后的化合物类型的涵盖面还是不够广泛的。如,缺少诸如  $\text{PbSO}_4$ 、 $\text{SnSO}_4$ 、 $\text{GaS}$  和  $\text{Li}_2\text{S}$  的数据。仅有的三元化合物是碳酸盐、硫酸盐和硅酸盐。且除有限的氢氧化物外,没有四元化合物的数据。只有简单的关于数据来源的参考文献,也没有解释是如何在不同的数据间进行数据选择的。

**Barin 数据表** 其涵盖面较上述提到的数据手册都全得多。它包括所有的自然元素和它们的化合物。除了在 USBM 通报 677 期中所列的物质类型外,Barin 数据表还包括了大量的三元氧化物、铝酸盐、砷酸盐、硼酸盐、铬酸盐、钼酸盐、硝酸盐,卤氧化物、磷酸盐、钛酸盐、钨酸盐、硒酸盐、钒酸盐、锆酸盐等等,以及氰化物、氢氧化物、复杂硅酸盐和金属间化合物。在 Barin 表中惟一没有被收录进去的是在其他资料中可以查到的离子化的气体和数量有限的、收录在 JANAF 数据手册中的、只在很高温度下才很重要的气体。Barin 博士给出了每一张表的参考文献以说明被采用的主要热化学数据(物质的生成焓、在 298.15 K 时的熵和热容)的出处。与 USBM 一样,书中未对如

何在彼此矛盾的数据来源中进行选择加以论述。

关于所列数据的质量,在现有可用的资料的基础上,Barin 博士聪明合理地利用了经过严格鉴定的数据(CODATA 和 JANAF)。对其他物质,他利用了大量的数据资源,包括 USBM 通报,其他的汇编、期刊、论文,以及他自己对一些热化学数据的测定。随着新测试的进行和新的严格鉴定方法的获得,许多 Barin 数据表将需要改版,但这是任何一部热化学数据汇编均有的特点。任何一个坚持使用最好数据的热化学计算者将使用像“Barin”或“JANAF”这样的汇编作为起点,然后他可以查阅近期有关新测定数据的期刊论文。这些测定结果可能使起初所据的汇编数据过时。但这决不会有损于 Barin 博士工作的价值,较之其他著作,此书提供给人们一个内容更广泛的起点,尤其是对冶金和类似的领域而言。更值得注意的是,Barin 博士这部书的完成主要是他个人努力的结果。

从作者认真收集的热化学数据可以看出,他所付出的努力具有非常重要的价值。

*Herbert H. Kellogg*

美国纽约州纽约市哥伦比亚大学

1989 年 2 月

### 第三版前言

在较短的时间里出版本书的第三版是必要的,本版对原有基本原理的阐述部分没有做大的改动。在第四篇和接下来的篇章中,详细地阐述了包括一些自然物质,如矿物、矿

石、煤和废物在内的热力学计算。对数据表中的一些错误进行了修改,并增列了一些新物质。下列专家给予了相当大的帮助:W. Härtel(弗雷堡,德国)、H. Kleykamp(卡尔

斯鲁厄,德国)、K. Supiyama (三重,日本)、H. Nielson (哥本哈根,丹麦)、F. J. J. van Loo、R. H. Eijkelberg (埃因霍温,荷兰)。表的数量增加到 2518 个,包括 230 多种有机物质在内。全书包含 3297 组物质与物相的热力学数据。

我要特别感谢我在 ZEUS 研究所的合作伙伴们,尤其是 F. -R. Zenz 先生、M. West-

phal 先生和 D. Dokupil 女士给我的有益帮助。

新版还得到了 VCH Verlagsgesellschaft 出版公司,尤其是 Ebel 博士、K. Sora 女士和 Maier 先生的巨大支持。

*Ihsan Barin*

1994~1995 年于亚琛/杜伊斯堡

## 第二版前言

本书的第一版已得到业界广泛的接受并引起了极大的兴趣。来自各个国家同行们的建设性意见和批评,对我准备第二版有着极大的价值和帮助。第二版修改、扩充了数据表前的绪论性文字——对化学热力学的初步介绍,为表列函数计算及其科学与技术应用提供了坚实的基础。更准确地定义了焓  $H$  和吉布斯能  $G$ 。并修改了原表中的几处错误。

这项工作获得了 VCH Verlagsgesellschaft 出版公司,尤其是 Ebel 博士、G. Schulz 博士、Maier 先生和 Hillenbrand 女士的支持。

要特别感谢 Dipl.-Ing. F. Sauert 和 Bergisch-Gladbach 完成了计算,还要感谢我在 ZEUS 研究所的合作者。我的家人在全部工作的自始至终都给予了我巨大的支持。

最后,我要诚挚地感谢埃森的 Thyssen Engineering GmbH, 克劳斯塔尔的 Gesellschaft Deutscher Metallhütten und Bergleute (GDMB) 和杜塞尔多夫的 Stifterverband Metalle 在经费上给予此书的支持。

*Ihsan Barin*

1993 年于杜伊斯堡

## 第一版前言

热力学计算经常用于分析和描述伴随着物质与能量传输的状态变化。这些计算已成为今天在化学、冶金、化工、能源技术和环境技术等各个领域的科学与技术研究中所不可缺少的一部分。近来计算机性能的改进促进了热化学计算在开发新工艺及技术改进中的应用。

热化学计算的可靠性首先取决于所使用的热化学数据的准确性。其次取决于对真实系统中数量较多的各种样品的全面考虑。

在此意义上,我们今天所做的工作将对种类众多的物质的热化学计算有所贡献。2371 种纯物质(包括 91 种元素和电子气体)的热化学数据以每 100 K 为温度间隔列表。这些物质包括大约 100 种有机化合物。

气体类物质被单独列出。

只有相对少量的物质可以得到它们完整的用于热化学计算的基础数据。通常的情况是众多物质的数据是对不同来源的数据进行分析获得的,类似于在决定它们是否可用于热力学计算前对其进行合理评价,尽管这样可能使这些数据的精确度较低。这些评价主要用于 298.15 K 时的熵  $S$  和比热  $C_p(t)$ 。

表格的编排和所用的函数与一些标准著作的格式是一致的,如“JANAF 表”和“美国矿业局通报”中的数据表。表中列出了下列热力学函数的数据:热容  $C_p$ 、熵  $S$ 、吉布斯能函数  $G_{ef} = -[G - H(298.15)]/T$ 、焓  $H$ 、焓增量  $(H - H(298.15))$ 、吉布斯能  $G = H - TS$  和生成量  $\Delta H_f$ 、 $\Delta G_f$  和  $\log K_f$ 。生成反应系指元素的参考状态,将在另一表中列出。

书中绪论性的文字用于介绍热力学主题所包含的关于化学热力学基础关系的简短说明。在这些关系的基础上说明了热力学函数计算。然后对数据表的内容和结构进行了说明。相当大的篇幅用于向那些对热力学计算不很熟悉的读者阐述表中数据的使用方法。

根据第七篇内容制成的数据库 EQUITHERM,是由 I. Barin、G. Eriksson、F. Sauert、M. Zeitler、B. Wittig 和 W. Schmidt 编制的一套软件。利用这套软件可以进行由本书所列的任何物质组成的多组元、多相

系统的热力学计算。这套软件可从本书的出版社得到。惟有本书的出版商能够同时提供有关纯物质热力学数据的著作和相应的多元体系相平衡热力学计算软件。

I. Barin

1988 年于科隆/亚琛

## 致 谢

本书完全是个人努力的结果,没有得到来自任何公共机构的资助。德国科隆的 KHD Humboldt Wedag A G 公司的设施被用于这些表的编辑。作者由衷地感谢公司的领导和研究开发中心的同事们的支持。本书的全部数据是由王淑圣(音译)女士利用很长的业余时间输入的。Dipl. Ing F. Sauert 和 E. Schultze Rhonhof 博士提供了计算方法并帮助检验了所选数据的一致性。

美国矿业局的 N. A. Gokcen 和纽约哥伦比亚大学的 N. Themelis 博士以及许多其他同事和朋友给予了我们许多善意的鼓励和支持。

VCH Verlagsgesellschaft 出版公司在各个方面都给予我们以大力支持。

感谢 F. Hampson 博士, J. A. Hampson 女士和 Saarbrücken 对导论的翻译。

我尤其要感谢我的家人在我编写这部书期间给予我的包容、理解和帮助。

Ihsan Barin

1988 年于亚琛

化学式	英文名称	页码	化学式	英文名称	页码
<b>Volume I</b>					
Ag	SILVER	1	Al <sub>2</sub> I <sub>6</sub> [g]	DIALUMINIUM HEXAIODIDE (GAS)	40
Ag[g]	SILVER (GAS)	2	Al <sub>2</sub> La	2-ALUMINIUM LANTHANUM	41
Ag <sub>3</sub> AsO <sub>4</sub>	SILVER ARSENATE	3	AlLi	ALUMINIUM LITHIUM	41
AgBr	SILVER BROMIDE	3	AlN	ALUMINIUM NITRIDE	42
AgBr[g]	SILVER BROMIDE (GAS)	4	AlNi	ALUMINIUM NICKEL	42
AgBrO <sub>3</sub>	SILVER BROMATE	4	AlNi <sub>3</sub>	ALUMINIUM 3-NICKEL	43
AgCN	SILVER CYANIDE	5	Al <sub>3</sub> Ni	3-ALUMINIUM NICKEL	43
Ag <sub>2</sub> CO <sub>3</sub>	SILVER CARBONATE	5	Al <sub>3</sub> Ni <sub>2</sub>	3-ALUMINIUM 2-NICKEL	44
AgCl	SILVER CHLORIDE	6	AlO[g]	ALUMINIUM MONOXIDE (GAS)	44
AgCl[g]	SILVER CHLORIDE (GAS)	7	AlO <sub>2</sub> [g]	ALUMINIUM DIOXIDE (GAS)	45
AgClO <sub>3</sub>	SILVER CHLORATE	7	Al <sub>2</sub> O[g]	DIALUMINIUM OXIDE (GAS)	46
Ag <sub>2</sub> CrO <sub>4</sub>	SILVER CHROMATE	8	Al <sub>2</sub> O <sub>2</sub> [g]	DIALUMINIUM DIOXIDE (GAS)	47
AgF	SILVER FLUORIDE	8	Al <sub>2</sub> O <sub>3</sub>	ALUMINIUM OXIDE (ALPHA,CORUNDUM)	48
AgF[g]	SILVER FLUORIDE (GAS)	9	Al <sub>2</sub> O <sub>3</sub> [C]	ALUMINIUM OXIDE (GAMMA)	49
AgI	SILVER IODIDE	10	Al <sub>2</sub> O <sub>3</sub> [D]	ALUMINIUM OXIDE (DELTA)	50
AgI[g]	SILVER IODIDE (GAS)	11	Al <sub>2</sub> O <sub>3</sub> [K]	ALUMINIUM OXIDE (KAPPA)	51
AgNO <sub>3</sub>	SILVER NITRATE	11	Al <sub>4</sub> B <sub>2</sub> O <sub>9</sub>	4-ALUMINIUM 2-BORON 9-OXIDE	52
Ag <sub>2</sub> O	SILVER OXIDE	12	Al <sub>18</sub> B <sub>4</sub> O <sub>33</sub>	18-ALUMINIUM 4-BORON 33-OXIDE	52
AgP <sub>2</sub>	SILVER DIPHOSPHIDE	12	AlOCl	ALUMINIUM CHLORIDE OXIDE	53
AgP <sub>3</sub>	SILVER TRIPHOSPHIDE	13	AlOCl[g]	ALUMINIUM CHLORIDE OXIDE (GAS)	53
Ag <sub>2</sub> S	SILVER SULFIDE	13	AlOF[g]	ALUMINIUM FLUORIDE OXIDE (GAS)	54
Ag <sub>2</sub> SO <sub>4</sub>	SILVER SULFATE	14	AlOF <sub>2</sub> [g]	ALUMINIUM DIFLUORIDE OXIDE (GAS)	55
Ag <sub>2</sub> Se	SILVER SELENIDE	15	Al(OH) <sub>3</sub>	ALUMINIUM HYDROXIDE (AMORPHOUS)	55
Ag <sub>2</sub> Te	SILVER TELLURIDE	16	Al <sub>2</sub> O <sub>3</sub> ·H <sub>2</sub> O	DIASPORE	56
Ag <sub>2</sub> WO <sub>4</sub>	SILVER TUNGSTATE	16	Al <sub>2</sub> O <sub>3</sub> ·H <sub>2</sub> O[B]	BOEHMITE	56
Al	ALUMINIUM	17	Al <sub>2</sub> O <sub>3</sub> ·3H <sub>2</sub> O	GIBBSITE	57
Al[g]	ALUMINIUM (GAS)	18	Al <sub>4</sub> Mg <sub>2</sub> Si <sub>5</sub> O <sub>18</sub>	CORDIERITE	57
AlAs	ALUMINIUM ARSENIDE	19	Al <sub>2</sub> SiO <sub>5</sub>	ALUMINIUM SILICATE (KYANITE)	58
AlAsO <sub>4</sub>	ALUMINIUM ARSENATE	19	Al <sub>2</sub> SiO <sub>5</sub> [A]	ALUMINIUM SILICATE (ANDALUSITE)	59
AlB <sub>2</sub>	ALUMINIUM DIBORIDE	20	Al <sub>2</sub> SiO <sub>5</sub> [S]	ALUMINIUM SILICATE (SILLIMANITE)	60
AlB <sub>12</sub>	ALUMINIUM DODECABORIDE	21	Al <sub>6</sub> Si <sub>2</sub> O <sub>13</sub>	MULLITE	61
AlBr[g]	ALUMINIUM MONOBROMIDE (GAS)	22	Al <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> ·2H <sub>2</sub> O	KAOLINITE	61
AlBr <sub>3</sub>	ALUMINIUM BROMIDE	23	Al <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> ·2H <sub>2</sub> O[D]	DICKITE	62
AlBr <sub>3</sub> [g]	ALUMINIUM BROMIDE (GAS)	24	Al <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> ·2H <sub>2</sub> O[H]	HALLOYSITE	62
Al <sub>2</sub> Br <sub>6</sub> [g]	DIALUMINIUM HEXABROMIDE (GAS)	25	Al <sub>2</sub> TiO <sub>5</sub>	DIALUMINIUM TITANIUM PENTAOXIDE	63
Al <sub>4</sub> C <sub>3</sub>	TETRAALUMINIUM TRICARBIDE	26	AlP	ALUMINIUM PHOSPHIDE	64
Al <sub>2</sub> Ca	2-ALUMINIUM CALCIUM	27	AlPO <sub>4</sub>	ALUMINIUM PHOSPHATE	65
Al <sub>4</sub> Ca	4-ALUMINIUM CALCIUM	27	AlS[g]	ALUMINIUM MONOSULFIDE (GAS)	66
Al <sub>2</sub> Ce	2-ALUMINIUM CERIUM	28	Al <sub>2</sub> S <sub>3</sub>	ALUMINIUM SULFIDE	67
Al <sub>4</sub> Ce	4-ALUMINIUM CERIUM	28	Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	ALUMINIUM SULFATE	67
AlCl[g]	ALUMINIUM MONOCHLORIDE (GAS)	29	AlSb	ALUMINIUM ANTIMONY	68
AlCl <sub>2</sub> [g]	ALUMINIUM DICHLORIDE (GAS)	30	Al <sub>2</sub> Se <sub>2</sub> [g]	DIALUMINIUM DISELENIDE (GAS)	69
AlCl <sub>3</sub>	ALUMINIUM CHLORIDE	30	Al <sub>2</sub> Se <sub>3</sub>	ALUMINIUM SELENIDE	69
AlCl <sub>3</sub> [g]	ALUMINIUM CHLORIDE (GAS)	31	AlTe[g]	ALUMINIUM MONOTELLURIDE (GAS)	70
Al <sub>2</sub> Cl <sub>6</sub> [g]	DIALUMINIUM HEXACHLORIDE (GAS)	32	Al <sub>2</sub> Te <sub>3</sub>	ALUMINIUM TELLURIDE	70
AlCl <sub>3</sub> ·6H <sub>2</sub> O	ALUMINIUM CHLORIDE HEXAHYDRATE	32	Al <sub>3</sub> Th	3-ALUMINIUM THORIUM	71
AlCo	ALUMINIUM COBALT	33	AlTi	ALUMINIUM TITANIUM	71
Al <sub>5</sub> Co <sub>2</sub>	5-ALUMINIUM 2-COBALT	33	Al <sub>3</sub> Ti	3-ALUMINIUM TITANIUM	72
AlF[g]	ALUMINIUM MONOFLUORIDE (GAS)	34	Al <sub>2</sub> U	2-ALUMINIUM URANIUM	72
AlF <sub>2</sub> [g]	ALUMINIUM DIFLUORIDE (GAS)	35	Al <sub>3</sub> U	3-ALUMINIUM URANIUM	73
AlF <sub>3</sub>	ALUMINIUM FLUORIDE	36	Al <sub>4</sub> U	4-ALUMINIUM URANIUM	73
AlF <sub>3</sub> [g]	ALUMINIUM FLUORIDE (GAS)	37	Am	AMERICIUM	74
Al <sub>2</sub> F <sub>6</sub> [g]	DIALUMINIUM HEXAFLUORIDE (GAS)	38	Am[g]	AMERICIUM (GAS)	75
AlH <sub>3</sub>	ALUMINIUM HYDRIDE (HEXAGONAL)	38	Ar[g]	ARGON (GAS)	76
AlI <sub>3</sub>	ALUMINIUM IODIDE	39	As	ARSENIC	77
AlI <sub>3</sub> [g]	ALUMINIUM IODIDE (GAS)	39	As[g]	ARSENIC (GAS)	77



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As <sub>2</sub> [g]	ARSENIC (GAS)	78	BCl <sub>2</sub> [g]	BORON DICHLORIDE (GAS)	112
As <sub>3</sub> [g]	ARSENIC (GAS)	78	BCl <sub>3</sub> [g]	BORON TRICHLORIDE (GAS)	113
As <sub>4</sub> [g]	ARSENIC (GAS)	79	BF[g]	BORON MONOFLUORIDE (GAS)	114
AsBr <sub>3</sub> [g]	ARSENIC BROMIDE (GAS)	79	BF <sub>2</sub> [g]	BORON DIFLUORIDE (GAS)	115
AsCl <sub>3</sub>	ARSENIC CHLORIDE	80	BF <sub>3</sub> [g]	BORON TRIFLUORIDE (GAS)	116
AsCl <sub>3</sub> [g]	ARSENIC CHLORIDE (GAS)	80	BH[g]	BORON MONOHYDRIDE (GAS)	117
AsF <sub>3</sub>	ARSENIC FLUORIDE	81	B <sub>2</sub> H <sub>6</sub> [g]	DIBORANE (GAS)	117
AsF <sub>3</sub> [g]	ARSENIC FLUORIDE (GAS)	81	Bl[g]	BORON MONIODIDE (GAS)	118
AsF <sub>5</sub> [g]	ARSENIC PENTAFLUORIDE (GAS)	82	Bl <sub>2</sub> [g]	BORON DIIODIDE (GAS)	119
AsH <sub>3</sub> [g]	ARSENIC HYDRIDE	83	Bl <sub>3</sub> [g]	BORON TRIIODIDE (GAS)	120
AsI <sub>3</sub>	ARSENIC IODIDE	83	BN	BORON NITRIDE	121
AsI <sub>3</sub> [g]	ARSENIC IODIDE (GAS)	84	B <sub>2</sub> O <sub>3</sub>	BORON OXIDE	122
AsO[g]	ARSENIC MONOXIDE (GAS)	84	B <sub>2</sub> O <sub>3</sub> [g]	BORON OXIDE (IDEAL GAS)	123
As <sub>2</sub> O <sub>3</sub>	ARSENIC OXIDE (CLAUDETTITE)	85	B <sub>2</sub> O <sub>3</sub> (GL)	BORON OXIDE (GLASS)	124
As <sub>2</sub> O <sub>3</sub> (A)	ARSENIC OXIDE (ARSENOLITE)	85	BOCl[g]	BORON CHLORIDE OXIDE (GAS)	125
As <sub>2</sub> O <sub>5</sub>	DIARSENIC PENTAOXIDE	86	BP	BORON MONOPHOSPHIDE	125
As <sub>4</sub> O <sub>6</sub> [g]	TETRAARSENIC HEXAOXIDE (GAS)	86	BS[g]	BORON MONOSULFIDE (GAS)	126
AsS[g]	ARSENIC MONOSULFIDE (GAS)	87	B <sub>2</sub> S <sub>3</sub>	DIBORON TRISULFIDE	126
As <sub>2</sub> S <sub>2</sub>	DIARSENIC DISULFIDE	87	Ba	BARIUM	127
As <sub>2</sub> S <sub>3</sub>	ARSENIC SULFIDE	88	Ba[g]	BARIUM (GAS)	128
As <sub>4</sub> S <sub>4</sub>	TETRAARSENIC TETRASULFIDE	88	Ba <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub>	BARIUM ARSENATE	129
As <sub>4</sub> S <sub>4</sub> [g]	TETRAARSENIC TETRASULFIDE (GAS)	89	BaBr <sub>2</sub>	BARIUM BROMIDE	130
As <sub>4</sub> S <sub>4</sub> (R)	TETRAARSENIC TETRASULFIDE (REALGAR)	89	BaBr <sub>2</sub> [g]	BARIUM BROMIDE (GAS)	131
AsSe[g]	ARSENIC MONOSELENIDE (GAS)	90	BaC <sub>2</sub>	BARIUM DICARBIDE	132
As <sub>2</sub> Se <sub>3</sub>	ARSENIC SELENIDE	90	BaCO <sub>3</sub>	BARIUM CARBONATE	133
AsTe[g]	ARSENIC MONOTELLURIDE (GAS)	91	BaCl[g]	BARIUM MONOCHLORIDE (GAS)	134
As <sub>2</sub> Te <sub>3</sub>	ARSENIC TELLURIDE	91	BaCl <sub>2</sub>	BARIUM CHLORIDE	135
Au	GOLD	92	BaCl <sub>2</sub> [g]	BARIUM CHLORIDE (GAS)	136
Au[g]	GOLD (GAS)	93	BaCrO <sub>4</sub>	BARIUM CHROMATE	137
Au <sub>3</sub> AsO <sub>4</sub>	TRIGOLD ARSENATE	94	BaF[g]	BARIUM MONOFLUORIDE (GAS)	138
AuBr	GOLD MONOBROMIDE	94	BaF <sub>2</sub>	BARIUM FLUORIDE	139
AuCd	GOLD CADMIUM	95	BaF <sub>2</sub> [g]	BARIUM FLUORIDE (GAS)	140
AuCl	GOLD MONOCHLORIDE	95	BaH[g]	BARIUM MONOHYDRIDE (GAS)	141
AuCl <sub>3</sub>	GOLD TRICHLORIDE	96	BaH <sub>2</sub>	BARIUM HYDRIDE	142
AuCu	GOLD COPPER	96	Bal[g]	BARIUM MONIODIDE (GAS)	143
AuCu <sub>3</sub>	GOLD 3-COPPER	97	Bal <sub>2</sub>	BARIUM IODIDE	144
AuF <sub>3</sub>	GOLD TRIFLUORIDE	97	Bal <sub>2</sub> [g]	BARIUM IODIDE (GAS)	145
AuI	GOLD MONIODIDE	98	BaMoO <sub>4</sub>	BARIUM MOLYBDATE	146
Au <sub>2</sub> O <sub>3</sub>	DIGOLD TRIOXIDE	98	Ba <sub>3</sub> N <sub>2</sub>	TRIBARIUM DINITRIDE	146
Au(OH) <sub>3</sub>	GOLD TRIHYDROXIDE (PRECIPITATED)	99	Ba(NO <sub>3</sub> ) <sub>2</sub>	BARIUM NITRATE	147
Au <sub>2</sub> P <sub>3</sub>	DIGOLD TRIPHOSPHIDE	99	BaO	BARIUM OXIDE	148
AuS[g]	GOLD MONOSULFIDE (GAS)	100	BaO <sub>2</sub>	BARIUM PEROXIDE	149
AuSb <sub>2</sub>	GOLD 2-ANTIMONY	100	BaAl <sub>2</sub> O <sub>4</sub>	BARIUM DIALUMINIUM TETRAOXIDE	149
AuSe	GOLD MONOSELENIDE (ALPHA)	101	Ba <sub>3</sub> Al <sub>2</sub> O <sub>6</sub>	TRIBARIUM DIALUMINIUM HEXAOXIDE	150
AuSe[B]	GOLD MONOSELENIDE (BETA)	101	Ba(OH) <sub>2</sub>	BARIUM HYDROXIDE	151
AuSn	GOLD TIN	102	Ba(OH) <sub>2</sub> [g]	BARIUM HYDROXIDE (GAS)	152
AuSn <sub>2</sub>	GOLD 2-TIN	102	BaHfO <sub>3</sub>	BARIUM HAFNIUM TRIOXIDE	152
AuSn <sub>4</sub>	GOLD 4-TIN	103	BaSiO <sub>3</sub>	BARIUM METASILICATE	153
AuTe <sub>2</sub>	GOLD DITELLURIDE	103	BaSi <sub>2</sub> O <sub>5</sub>	BARIUM DISILICATE	154
B	BORON (BETA)	104	Ba <sub>2</sub> SiO <sub>4</sub>	BARIUM ORTHOSILICATE	155
B[g]	BORON (GAS)	105	Ba <sub>2</sub> Si <sub>3</sub> O <sub>8</sub>	DIBARIUM TRISILICATE	156
B[GL]	BORON (GLASS)	106	BaTiO <sub>3</sub>	BARIUM TITANIUM TRIOXIDE	157
BB[g]	BORON MONOBROMIDE (GAS)	107	Ba <sub>2</sub> TiO <sub>4</sub>	DIBARIUM TITANIUM TETRAOXIDE	158
BB <sub>2</sub> [g]	BORON DIBROMIDE (GAS)	108	BaUO <sub>4</sub>	BARIUM URANATE	158
BB <sub>3</sub>	BORON TRIBROMIDE	108	BaZrO <sub>3</sub>	BARIUM ZIRCONIUM TRIOXIDE	159
BB <sub>3</sub> [g]	BORON TRIBROMIDE (GAS)	109	BaS	BARIUM SULFIDE	160
B <sub>4</sub> C	TETRABORON MONOCARBIDE	110	BaSO <sub>4</sub>	BARIUM SULFATE	161
BCl[g]	BORON MONOCHLORIDE (GAS)	111	Ba <sub>2</sub> Sn	2-BARIUM TIN	161

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BaTe	BARIUM TELLURIDE	162	Bi <sub>2</sub> S <sub>3</sub>	BISMUTH SULFIDE	203
BaWO <sub>4</sub>	BARIUM TUNGSTATE	162	Bi <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	BISMUTH SULFATE	203
Be	BERYLLIUM	163	Bi <sub>2</sub> Se <sub>3</sub>	BISMUTH SELENIDE	204
Be(g)	BERYLLIUM (GAS)	164	Bi <sub>2</sub> Te <sub>3</sub>	BISMUTH TELLURIDE	204
Be <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub>	BERYLLIUM ARSENATE	165	BiU	BISMUTH URANIUM	205
BeBr(g)	BERYLLIUM MONOBROMIDE (GAS)	165	Bi <sub>2</sub> U	2-BISMUTH URANIUM	205
BeBr <sub>2</sub>	BERYLLIUM BROMIDE	166	Bi <sub>4</sub> U <sub>3</sub>	4-BISMUTH 3-URANIUM	206
BeBr <sub>2</sub> (g)	BERYLLIUM BROMIDE (GAS)	166	Br(g)	BROMINE (GAS)	207
Be <sub>2</sub> C	DIBERYLLIUM CARBIDE	167	Br <sub>2</sub>	BROMINE	207
BeCl(g)	BERYLLIUM MONOCHLORIDE (GAS)	168	Br <sub>2</sub> (g)	BROMINE (GAS)	208
BeCl <sub>2</sub>	BERYLLIUM CHLORIDE	169	C	CARBON (GRAPHITE)	209
BeCl <sub>2</sub> (g)	BERYLLIUM CHLORIDE (GAS)	170	C(g)	CARBON (GAS)	210
Be <sub>2</sub> Cl <sub>4</sub> (g)	DIBERYLLIUM TETRACHLORIDE (GAS)	171	C(D)	CARBON (DIAMOND)	211
BeF(g)	BERYLLIUM MONOFLUORIDE (GAS)	172	C <sub>2</sub> (g)	CARBON (GAS)	212
BeF <sub>2</sub>	BERYLLIUM FLUORIDE	173	C <sub>3</sub> (g)	CARBON (GAS)	213
BeF <sub>2</sub> (g)	BERYLLIUM FLUORIDE (GAS)	174	CBr(g)	BROMOMETHYLIDYNE (GAS)	214
BeH(g)	BERYLLIUM MONOHYDRIDE (GAS)	175	CBr <sub>2</sub> (g)	CARBON DIBROMIDE (GAS)	215
BeI(g)	BERYLLIUM MONOIODIDE (GAS)	176	CBr <sub>3</sub> (g)	CARBON TRIBROMIDE (GAS)	216
BeI <sub>2</sub>	BERYLLIUM IODIDE	176	CBr <sub>4</sub> (g)	TETRABROMOMETHANE (GAS)	217
BeI <sub>2</sub> (g)	BERYLLIUM IODIDE (GAS)	177	CBrI <sub>3</sub> (g)	BROMOTRIIODOMETHANE (GAS)	218
Be <sub>3</sub> N <sub>2</sub>	ALPHA BERYLLIUM NITRIDE	178	CBr <sub>2</sub> I <sub>2</sub> (g)	DIBROMODIIODOMETHANE (GAS)	219
BeO	BERYLLIUM OXIDE	179	CBr <sub>3</sub> I(g)	TRIBROMOIODOMETHANE (GAS)	220
BeAl <sub>2</sub> O <sub>4</sub>	BERYLLIUM DIALUMINIUM TETRAOXIDE	180	CCN(g)	CARBON CARBIDE-NITRIDE (GAS)	221
BeAl <sub>6</sub> O <sub>10</sub>	BERYLLIUM HEXAALUMINIUM DECAOXIDE	181	CCl(g)	CHLOROMETHYLIDYNE (GAS)	222
Be <sub>3</sub> B <sub>2</sub> O <sub>6</sub>	TRIBERYLLIUM DIBORATE	182	CCl <sub>2</sub> (g)	DICHLOROMETHYLENE (GAS)	223
BeOH(g)	BERYLLIUM MONOHYDROXIDE (GAS)	183	CCl <sub>3</sub> (g)	TRICHLOROMETHYL (GAS)	224
Be(OH) <sub>2</sub>	BERYLLIUM HYDROXIDE (ALPHA)	183	CCl <sub>4</sub>	TETRACHLOROMETHANE	224
Be(OH) <sub>2</sub> (B)	BERYLLIUM HYDROXIDE (BETA)	184	CCl <sub>4</sub> (g)	TETRACHLOROMETHANE (GAS)	225
Be(OH) <sub>2</sub> (g)	BERYLLIUM HYDROXIDE (GAS)	184	C <sub>2</sub> Cl(g)	DICARBON CHLORIDE (GAS)	226
Be <sub>2</sub> SiO <sub>4</sub>	BERYLLIUM SILICATE (PHENACITE)	185	C <sub>2</sub> Cl <sub>2</sub> (g)	DICHLOROACETYLENE (GAS)	227
BeS	BERYLLIUM SULFIDE	186	C <sub>2</sub> Cl <sub>3</sub> (g)	DICARBON TRICHLORIDE (GAS)	228
BeS(g)	BERYLLIUM SULFIDE (GAS)	187	C <sub>2</sub> Cl <sub>4</sub> (g)	TETRACHLOROETHENE (GAS)	229
BeSO <sub>4</sub>	BERYLLIUM SULFATE	188	C <sub>2</sub> Cl <sub>5</sub> (g)	PENTACHLOROETHYL (GAS)	230
BeSO <sub>4</sub> *2H <sub>2</sub> O	BERYLLIUM SULFATE DIHYDRATE	188	C <sub>2</sub> Cl <sub>6</sub> (g)	HEXACHLOROETHANE (GAS)	231
BeSO <sub>4</sub> *4H <sub>2</sub> O	BERYLLIUM SULFATE TETRAHYDRATE	189	CClBr <sub>3</sub> (g)	CHLOROTRIBROMOMETHANE (GAS)	232
BeWO <sub>4</sub>	BERYLLIUM TUNGSTATE	189	CCl <sub>2</sub> Br <sub>2</sub> (g)	DICHLORODIBROMOMETHANE (GAS)	233
Bi	BISMUTH	190	CCl <sub>3</sub> Br(g)	TRICHLOROBROMOMETHANE (GAS)	234
Bi(g)	BISMUTH (GAS)	191	CClBr <sub>2</sub> (g)	CHLOROBROMODIIODOMETHANE (GAS)	235
Bi <sub>2</sub> (g)	BISMUTH (GAS)	192	CClBr <sub>2</sub> I(g)	CHLORODIBROMODIIODOMETHANE (GAS)	236
BiAsO <sub>4</sub>	BISMUTH ARSENATE	192	CCl <sub>2</sub> BrI(g)	DICHLOROBROMODIIODOMETHANE (GAS)	237
BiBr(g)	BISMUTH MONOBROMIDE (GAS)	193	CClI <sub>3</sub> (g)	CHLOROTRIIODOMETHANE (GAS)	238
BiBr <sub>3</sub>	BISMUTH BROMIDE	194	CCl <sub>2</sub> I <sub>2</sub> (g)	DICHLORODIIODOMETHANE (GAS)	239
BiBr <sub>3</sub> (g)	BISMUTH BROMIDE (GAS)	194	CCl <sub>3</sub> I(g)	TRICHLOROIODOMETHANE (GAS)	240
BiCl(g)	BISMUTH MONOCHLORIDE (GAS)	195	CF(g)	FLUOROMETHYLIDYNE (GAS)	241
BiCl <sub>3</sub>	BISMUTH CHLORIDE	195	CF <sub>2</sub> (g)	DIFLUOROMETHYLENE (GAS)	242
BiCl <sub>3</sub> (g)	BISMUTH CHLORIDE (GAS)	196	CF <sub>3</sub> (g)	TRIFLUOROMETHYL (GAS)	243
BiF(g)	BISMUTH MONOFLUORIDE (GAS)	196	CF <sub>4</sub> (g)	TETRAFLUOROMETHANE (GAS)	244
BiF <sub>3</sub>	BISMUTH FLUORIDE	197	C <sub>2</sub> F(g)	DICARBON FLUORIDE (GAS)	245
BiF <sub>3</sub> (g)	BISMUTH FLUORIDE (GAS)	197	C <sub>2</sub> F <sub>2</sub> (g)	DIFLUOROACETYLENE (GAS)	246
BiI	BISMUTH MONOIODIDE	198	C <sub>2</sub> F <sub>3</sub> (g)	DICARBON TRIFLUORIDE (GAS)	247
BiI(g)	BISMUTH MONOIODIDE (GAS)	198	C <sub>2</sub> F <sub>4</sub> (g)	TETRAFLUROETHENE (GAS)	248
BiI <sub>3</sub>	BISMUTH IODIDE	199	C <sub>2</sub> F <sub>5</sub> (g)	PENTAFLUROETHYL (GAS)	249
BiI <sub>3</sub> (g)	BISMUTH IODIDE (GAS)	199	C <sub>2</sub> F <sub>6</sub> (g)	HEXAFLUROETHANE (GAS)	250
BiK <sub>3</sub>	BISMUTH 3-POTASSIUM	200	CFBr <sub>3</sub> (g)	FLUOROTRIBROMOMETHANE (GAS)	251
BiMn	BISMUTH MANGANESE	200	CF <sub>2</sub> Br <sub>2</sub> (g)	DIFLUORODIBROMOMETHANE (GAS)	252
BiNi	BISMUTH NICKEL	201	CF <sub>3</sub> Br(g)	TRIFLUOROBROMOMETHANE (GAS)	253
Bi <sub>2</sub> O <sub>3</sub>	BISMUTH OXIDE	202	CFBr <sub>2</sub> (g)	FLUOROBROMODIIODOMETHANE (GAS)	254
BiOCl	BISMUTH CHLORIDE OXIDE	202	CFBr <sub>2</sub> (g)	FLUORODIBROMOIODOMETHANE (GAS)	255

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CF <sub>2</sub> Br(g)	DIFLUOROBROMIODOMETHANE (GAS)	256	C <sub>6</sub> H <sub>14</sub> (g)	HEXANE (GAS)	301
CFCI(g)	FLUOROCHLOROMETHYLENE (GAS)	257	C <sub>7</sub> H <sub>8</sub>	TOLUENE (METHYLBENZENE)	301
CFC <sub>2</sub> (g)	FLUORODICHLOROMETHYL (GAS)	258	C <sub>7</sub> H <sub>8</sub> (g)	TOLUENE (METHYLBENZENE) (GAS)	302
CFC <sub>3</sub> (g)	FLUOROTRICHLOROMETHANE (GAS)	259	C <sub>7</sub> H <sub>14</sub>	CYCLOHEPTANE	302
CF <sub>2</sub> Cl(g)	DIFLUOROCHLOROMETHYL (GAS)	260	C <sub>7</sub> H <sub>14</sub> (g)	CYCLOHEPTANE (GAS)	303
CF <sub>2</sub> Cl <sub>2</sub> (g)	DIFLUORODICHLOROMETHANE (GAS)	261	C <sub>7</sub> H <sub>14</sub> (M)	METHYLCYCLOHEXANE	303
CF <sub>3</sub> Cl(g)	TRIFLUOROCHLOROMETHANE (GAS)	262	C <sub>7</sub> H <sub>14</sub> (M)(g)	METHYLCYCLOHEXANE (GAS)	304
C <sub>2</sub> FCI(g)	FLUOROCHLOROACETYLENE (GAS)	263	C <sub>7</sub> H <sub>16</sub>	HEPTANE	304
C <sub>2</sub> FCI <sub>3</sub> (g)	FLUOROTRICHLOROETHYLENE (GAS)	264	C <sub>7</sub> H <sub>16</sub> (g)	HEPTANE (GAS)	305
C <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub> (g)	DIFLUORODICHLOROETHYLENE (GAS)	265	C <sub>8</sub> H <sub>10</sub>	O-XYLENE (1,2-DIMETHYLBENZENE)	305
C <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub> [1,1](g)	1,1-DIFLUORODICHLOROETHYLENE (GAS)	266	C <sub>8</sub> H <sub>10</sub> (E)	ETHYLBENZENE	306
C <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub> [cis](g)	CIS-DIFLUORODICHLOROETHYLENE (GAS)	267	C <sub>8</sub> H <sub>10</sub> (g)	O-XYLENE (1,2-DIMETHYLBENZENE) (GAS)	306
C <sub>2</sub> F <sub>2</sub> Cl <sub>2</sub> [trans](g)	TRANS-DIFLUORODICHLOROETHYLENE (GAS)	268	C <sub>8</sub> H <sub>10</sub> (E)(g)	ETHYLBENZENE (GAS)	307
C <sub>2</sub> F <sub>3</sub> Cl(g)	TRIFLUOROCHLOROETHYLENE (GAS)	269	C <sub>8</sub> H <sub>14</sub> (g)	OCT-1-YNE (GAS)	307
CFCI <sub>2</sub> Br <sub>2</sub> (g)	FLUOROCHLORODIBROMOMETHANE (GAS)	270	C <sub>8</sub> H <sub>16</sub>	ETHYLCYCLOHEXANE	308
CFCI <sub>2</sub> Br(g)	FLUORODICHLOROBROMOMETHANE (GAS)	271	C <sub>8</sub> H <sub>16</sub> (g)	ETHYLCYCLOHEXANE (GAS)	308
CF <sub>2</sub> ClBr(g)	DIFLUOROCHLOROBROMOMETHANE (GAS)	272	C <sub>8</sub> H <sub>18</sub>	OCTANE	309
CFCI <sub>2</sub> Br(g)	FLUOROCHLOROBROMIODOMETHANE (GAS)	273	C <sub>8</sub> H <sub>18</sub> (g)	OCTANE (GAS)	309
CFCI <sub>2</sub> (g)	FLUOROCHLORODIIODOMETHANE (GAS)	274	C <sub>9</sub> H <sub>16</sub> (g)	NON-1-YNE (GAS)	310
CFC <sub>2</sub> (g)	FLUORODICHLOROIODOMETHANE (GAS)	275	C <sub>9</sub> H <sub>20</sub>	NONANE	310
CF <sub>2</sub> Cl(g)	DIFLUOROCHLOROIODOMETHANE (GAS)	276	C <sub>9</sub> H <sub>20</sub> (g)	NONANE (GAS)	311
CF <sub>3</sub> (g)	FLUOROTRIIODOMETHANE (GAS)	277	C <sub>10</sub> H <sub>22</sub>	DECANE	311
CF <sub>2</sub> I <sub>2</sub> (g)	DIFLUORODIIODOMETHANE (GAS)	278	C <sub>10</sub> H <sub>22</sub> (g)	DECANE (GAS)	312
CF <sub>3</sub> I(g)	TRIFLUOROIODOMETHANE (GAS)	279	CHBr <sub>3</sub> (g)	TRIBROMOMETHANE (GAS)	313
CH(g)	METHYLIDYNE (GAS)	280	CH <sub>2</sub> Br <sub>2</sub> (g)	DIBROMOMETHANE (GAS)	314
CH <sub>2</sub> (g)	METHYLENE (GAS)	281	CH <sub>3</sub> Br(g)	BROMOMETHANE (GAS)	315
CH <sub>3</sub> (g)	METHYL (GAS)	282	CHBr <sub>2</sub> (g)	BROMODIIODOMETHANE (GAS)	316
CH <sub>4</sub> (g)	METHANE (GAS)	283	CHBr <sub>2</sub> (g)	DIBROMIODOMETHANE (GAS)	317
C <sub>2</sub> H(g)	DICARBON HYDRIDE (GAS)	284	CH <sub>2</sub> Br(g)	BROMOIODOMETHANE (GAS)	318
C <sub>2</sub> H <sub>2</sub> (g)	ACETYLENE (GAS)	285	CHCl(g)	CHLOROMETHYLENE (GAS)	319
C <sub>2</sub> H <sub>3</sub> (g)	DICARBON TRIHYDRIDE (GAS)	286	CHCl <sub>2</sub> (g)	DICHLOROMETHYL (GAS)	320
C <sub>2</sub> H <sub>4</sub> (g)	ETHENE (GAS)	287	CHCl <sub>3</sub> (g)	TRICHLOROMETHANE (GAS)	321
C <sub>2</sub> H <sub>5</sub> (g)	ETHYL (GAS)	288	CH <sub>2</sub> Cl(g)	CHLOROMETHYL (GAS)	322
C <sub>2</sub> H <sub>6</sub> (g)	ETHANE (GAS)	289	CH <sub>2</sub> Cl <sub>2</sub> (g)	DICHLOROMETHANE (GAS)	323
C <sub>3</sub> H <sub>4</sub> (g)	PROPADIENE (GAS)	290	CH <sub>3</sub> Cl(g)	CHLOROMETHANE (GAS)	323
C <sub>3</sub> H <sub>4</sub> [PY](g)	PROPYNE (GAS)	290	C <sub>2</sub> HCl(g)	CHLOROACETYLENE (GAS)	324
C <sub>3</sub> H <sub>6</sub> (g)	CYCLOPROPANE (GAS)	291	C <sub>2</sub> HCl <sub>3</sub> (g)	TRICHLOROETHYLENE (GAS)	325
C <sub>3</sub> H <sub>6</sub> [P](g)	PROPENE (GAS)	291	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> (g)	DICHLOROETHYLENE (GAS)	326
C <sub>3</sub> H <sub>8</sub> (g)	PROPANE (GAS)	292	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> [1,1](g)	1,1-DICHLOROETHYLENE (GAS)	327
C <sub>4</sub> H <sub>6</sub> (g)	BUT-1-YNE (GAS)	292	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> [cis](g)	CIS-DICHLOROETHYLENE (GAS)	328
C <sub>4</sub> H <sub>8</sub> (g)	CYCLOBUTANE (GAS)	293	C <sub>2</sub> H <sub>2</sub> Cl <sub>2</sub> [trans](g)	TRANS-DICHLOROETHYLENE (GAS)	329
C <sub>4</sub> H <sub>8</sub> (M)(g)	2-METHYLPROP-1-ENE (GAS)	293	C <sub>2</sub> H <sub>3</sub> Cl(g)	CHLOROETHENE (GAS)	330
C <sub>4</sub> H <sub>10</sub> (g)	BUTANE (GAS)	294	C <sub>2</sub> H <sub>5</sub> Cl(g)	CHLOROETHANE (GAS)	330
C <sub>5</sub> H <sub>8</sub> (g)	CYCLOPENTENE (GAS)	294	CHClBr <sub>2</sub> (g)	CHLORODIBROMOMETHANE (GAS)	331
C <sub>5</sub> H <sub>8</sub> [P](g)	PENTA-1,2-DIENE (GAS)	295	CHCl <sub>2</sub> Br(g)	DICHLOROBROMOMETHANE (GAS)	332
C <sub>5</sub> H <sub>10</sub> (g)	CYCLOPENTANE (GAS)	295	CH <sub>2</sub> ClBr(g)	CHLOROBROMOMETHANE (GAS)	333
C <sub>5</sub> H <sub>12</sub> (g)	PENTANE (GAS)	296	CHClBr(g)	CHLOROBROMIODOMETHANE (GAS)	334
C <sub>6</sub> H <sub>6</sub>	BENZENE	296	CHCl <sub>2</sub> (g)	CHLORODIIODOMETHANE (GAS)	335
C <sub>6</sub> H <sub>6</sub> (g)	BENZENE (GAS)	297	CHCl <sub>2</sub> (g)	DICHLOROIODOMETHANE (GAS)	336
C <sub>6</sub> H <sub>10</sub>	CYCLOHEXENE	297	CH <sub>2</sub> Cl(g)	CHLOROIODOMETHANE (GAS)	337
C <sub>6</sub> H <sub>10</sub> (g)	CYCLOHEXENE (GAS)	298	C <sub>12</sub> H <sub>4</sub> Cl <sub>4</sub> O <sub>2</sub> (g)	2, 3, 7, 8-TETRACHLORODIBENZEDIOXIN	338
C <sub>6</sub> H <sub>12</sub>	CYCLOHEXANE	298	C <sub>12</sub> H <sub>4</sub> Cl <sub>4</sub> O <sub>2</sub> (g)	2, 3, 7, 8-TETRACHLORODIBENZEDIOXIN (GAS)	339
C <sub>6</sub> H <sub>12</sub> (g)	CYCLOHEXANE (GAS)	299	CHF(g)	FLUOROMETHYLENE (GAS)	340
C <sub>6</sub> H <sub>12</sub> (M)	METHYLCYCLOPENTANE	299	CHF <sub>2</sub> (g)	DIFLUOROMETHYL (GAS)	341
C <sub>6</sub> H <sub>12</sub> (M)(g)	METHYLCYCLOPENTANE (GAS)	300	CHF <sub>3</sub> (g)	TRIFLUOROMETHANE (GAS)	342
C <sub>6</sub> H <sub>14</sub>	HEXANE	300	CH <sub>2</sub> F(g)	FLUOROMETHYL (GAS)	343
			CH <sub>2</sub> F <sub>2</sub> (g)	DIFLUOROMETHANE (GAS)	344

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CH <sub>3</sub> F[g]	FLUOROMETHANE (GAS)	345	Cl <sub>2</sub> [g]	CARBON DIIODIDE (GAS)	395
C <sub>2</sub> H <sub>5</sub> F[g]	FLUOROACETYLENE (GAS)	346	Cl <sub>3</sub> [g]	CARBON TRIIODIDE (GAS)	396
C <sub>2</sub> H <sub>2</sub> F <sub>3</sub> [g]	TRIFLUOROETHYLENE (GAS)	347	Cl <sub>4</sub> [g]	CARBON TETRAIODIDE (GAS)	397
C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> [g]	DIFLUOROETHYLENE (GAS)	348	CN[g]	CYANOGEN (GAS)	398
C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> [1,1][g]	1,1-DIFLUOROETHYLENE (GAS)	349	CN <sub>2</sub> [g]	CARBON NITRIDE (NCN RADICAL) (GAS)	399
C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> [cis][g]	CIS-DIFLUOROETHYLENE (GAS)	350	C <sub>2</sub> N <sub>2</sub> [g]	ETHANEDINITRILE (GAS)	400
C <sub>2</sub> H <sub>2</sub> F <sub>2</sub> [trans][g]	TRANS-DIFLUOROETHYLENE (GAS)	351	CNC[g]	NITROGEN DICARBIDE (GAS)	401
C <sub>2</sub> H <sub>3</sub> F[g]	FLUOROETHYLENE (GAS)	352	CNN[g]	NITROGEN CARBIDE-NITRIDE (GAS)	402
CH <sub>2</sub> Br <sub>2</sub> [g]	FLUORODIBROMOMETHANE (GAS)	353	CO[g]	CARBON MONOXIDE (GAS)	403
CH <sub>2</sub> Br[g]	DIFLUOROBROMOMETHANE (GAS)	354	CO <sub>2</sub> [g]	CARBON DIOXIDE (GAS)	404
CH <sub>2</sub> Br[g]	FLUOROBROMOMETHANE (GAS)	355	C <sub>2</sub> O[g]	DICARBON OXIDE (GAS)	405
CH <sub>2</sub> BrI[g]	FLUOROBROMOIODOMETHANE (GAS)	356	C <sub>3</sub> O <sub>2</sub> [g]	TRICARBON DIOXIDE (GAS)	406
CH <sub>2</sub> Cl[g]	FLUOROCHLOROMETHYL (GAS)	357	COCl[g]	CARBONYL CHLORIDE (GAS)	407
CH <sub>2</sub> Cl <sub>2</sub> [g]	FLUORODICHLOROMETHANE (GAS)	358	COCl <sub>2</sub> [g]	CARBONIC DICHLORIDE (PHOSGEN)	408
CH <sub>2</sub> Cl[g]	DIFLUOROCHLOROMETHANE (GAS)	359	COF[g]	CARBONYL FLUORIDE (GAS)	409
CH <sub>2</sub> FCI[g]	FLUROCHLOROMETHANE (GAS)	360	COF <sub>2</sub> [g]	CARBONIC DIFLUORIDE (GAS)	410
C <sub>2</sub> HFCI <sub>2</sub> [g]	FLUORODICHLOROETHYLENE (GAS)	361	COOH[g]	CARBOXYL (GAS)	411
C <sub>2</sub> HFCI <sub>2</sub> [1,1][g]	1,1-FLUORODICHLOROETHYLENE (GAS)	362	COS[g]	CARBON OXIDE SULFIDE (GAS)	412
C <sub>2</sub> HFCI <sub>2</sub> [cis][g]	CIS-FLUORODICHLOROETHYLENE (GAS)	363	CP[g]	CARBON PHOSPHIDE (GAS)	413
C <sub>2</sub> HFCI <sub>2</sub> [trans][g]	TRANS-FLUORODICHLOROETHYLENE (GAS)	364	CS[g]	CARBON MONOSULFIDE (GAS)	414
C <sub>2</sub> H <sub>2</sub> FCI[g]	DIFLUOROCHLOROETHYLENE (GAS)	365	CS <sub>2</sub> [g]	CARBON DISULFIDE (GAS)	415
C <sub>2</sub> H <sub>2</sub> FCI[1,1][g]	1,1-DIFLUOROCHLOROETHYLENE (GAS)	366	Ca	CALCIUM	416
C <sub>2</sub> H <sub>2</sub> FCI[cis][g]	CIS-DIFLUOROCHLOROETHYLENE (GAS)	367	Ca[g]	CALCIUM (GAS)	417
C <sub>2</sub> H <sub>2</sub> FCI[trans][g]	TRANS-DIFLUOROCHLOROETHYLENE (GAS)	368	Ca <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub>	CALCIUM ARSENATE	418
C <sub>2</sub> H <sub>2</sub> FCI[g]	FLUROCHLOROETHYLENE (GAS)	369	CaBr[g]	CALCIUM MONOBROMIDE (GAS)	419
C <sub>2</sub> H <sub>2</sub> FCI[1,1][g]	1,1-FLUROCHLOROETHYLENE (GAS)	370	CaBr <sub>2</sub>	CALCIUM BROMIDE	420
C <sub>2</sub> H <sub>2</sub> FCI[cis][g]	CIS-FLUROCHLOROETHYLENE (GAS)	371	CaBr <sub>2</sub> [g]	CALCIUM BROMIDE (GAS)	421
C <sub>2</sub> H <sub>2</sub> FCI[trans][g]	TRANS-FLUROCHLOROETHYLENE (GAS)	372	CaC <sub>2</sub>	CALCIUM DICARBIDE	422
CH <sub>2</sub> FCIBr[g]	FLUROCHLOROBROMOMETHANE (GAS)	373	CaCN <sub>2</sub>	CALCIUM CYANAMIDE	423
CH <sub>2</sub> FCI[g]	FLUROCHLOROIODOMETHANE (GAS)	374	CaCO <sub>3</sub>	CALCIUM CARBONATE (CALCITE)	423
CH <sub>2</sub> I <sub>2</sub> [g]	FLURODIIODOMETHANE (GAS)	375	CaCO <sub>3</sub> [A]	CALCIUM CARBONATE (ARAGONITE)	424
CH <sub>2</sub> I[g]	DIFLUOROIODOMETHANE (GAS)	376	CaMg(CO <sub>3</sub> ) <sub>2</sub>	DOLOMITE	424
CH <sub>2</sub> F <sub>2</sub> [g]	FLUROIODOMETHANE (GAS)	377	CaCl[g]	CALCIUM MONOCHLORIDE (GAS)	425
CH <sub>3</sub> [g]	TRIIODOMETHANE (GAS)	378	CaCl <sub>2</sub>	CALCIUM CHLORIDE	426
CH <sub>2</sub> I <sub>2</sub> [g]	DIIODOMETHANE (GAS)	379	CaCl <sub>2</sub> [g]	CALCIUM CHLORIDE (GAS)	427
CH <sub>3</sub> I[g]	IODOMETHANE (GAS)	380	CaF[g]	CALCIUM MONOFLUORIDE (GAS)	428
CHO[g]	OXOMETHYL (GAS)	381	CaF <sub>2</sub>	CALCIUM FLUORIDE	429
CH <sub>2</sub> O[g]	FORMALDEHYDE (GAS)	382	CaF <sub>2</sub> [g]	CALCIUM FLUORIDE (GAS)	430
CH <sub>2</sub> O <sub>2</sub>	FORMIC ACID	382	CaH[g]	CALCIUM MONOHYDRIDE (GAS)	431
CH <sub>2</sub> O <sub>2</sub> [g]	FORMIC ACID (GAS)	383	CaH <sub>2</sub>	CALCIUM HYDRIDE	432
CH <sub>3</sub> O[g]	CARBON OXIDE-TRIHYDRIDE (GAS)	384	CaHPO <sub>4</sub>	CALCIUM HYDROGEN PHOSPHATE	433
CH <sub>4</sub> O	METHANOL	385	CaHPO <sub>4</sub> *2H <sub>2</sub> O	CALCIUM HYDROGEN PHOS. DIHYDRATE	433
CH <sub>4</sub> O[g]	METHANOL (GAS)	386	CaI[g]	CALCIUM MONOIODIDE (GAS)	434
C <sub>2</sub> H <sub>2</sub> O[g]	ETHENONE (KETENE) (GAS)	386	CaI <sub>2</sub>	CALCIUM IODIDE	435
C <sub>2</sub> H <sub>4</sub> O[g]	ACETALDEHYDE (GAS)	387	CaI <sub>2</sub> [g]	CALCIUM IODIDE (GAS)	436
C <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	ACETIC ACID	387	CaMg <sub>2</sub>	CALCIUM 2-MAGNESIUM	436
C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> [g]	ACETIC ACID (GAS)	388	CaMoO <sub>4</sub>	CALCIUM MOLYBDATE	437
C <sub>2</sub> H <sub>6</sub> O	ETHANOL	388	Ca <sub>3</sub> N <sub>2</sub>	TRICALCIUM DINITRIDE	437
C <sub>2</sub> H <sub>6</sub> O[g]	ETHANOL (GAS)	389	Ca(NO <sub>3</sub> ) <sub>2</sub>	CALCIUM NITRATE	438
C <sub>3</sub> H <sub>6</sub> O	ACETONE	389	Ca(NO <sub>3</sub> ) <sub>2</sub> *2H <sub>2</sub> O	CALCIUM NITRATE DIHYDRATE	438
C <sub>3</sub> H <sub>6</sub> O[g]	ACETONE (GAS)	390	Ca(NO <sub>3</sub> ) <sub>2</sub> *3H <sub>2</sub> O	CALCIUM NITRATE TRIHYDRATE	439
C <sub>6</sub> H <sub>6</sub> O	PHENOL	390	Ca(NO <sub>3</sub> ) <sub>2</sub> *4H <sub>2</sub> O	CALCIUM NITRATE TETRAHYDRATE	439
C <sub>6</sub> H <sub>6</sub> O[g]	PHENOL (GAS)	391	CaO	CALCIUM OXIDE	440
CH <sub>2</sub> OH[g]	CARBON DIHYDRIDE-HYDROXIDE (GAS)	392	CaO[g]	CALCIUM OXIDE (GAS)	441
CH <sub>2</sub> S <sub>3</sub>	CARBONOTRITHIONIC ACID	393	CaO <sub>2</sub>	CALCIUM PEROXIDE	442
Cl[g]	CARBON IODIDE (GAS)	394	CaAl <sub>2</sub> O <sub>4</sub>	CALCIUM 2-ALUMINIUM 4-OXIDE	442
			CaAl <sub>4</sub> O <sub>7</sub>	CALCIUM 4-ALUMINIUM 7-OXIDE	443
			Ca <sub>2</sub> Al <sub>2</sub> O <sub>5</sub>	2-CALCIUM 2-ALUMINIUM 5-OXIDE	444

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Ca <sub>3</sub> Al <sub>2</sub> O <sub>6</sub>	3-CALCIUM 2-ALUMINIUM 6-OXIDE	445	Ca <sub>3</sub> Sb <sub>2</sub>	3-CALCIUM 2-ANTIMONY	485
Ca <sub>12</sub> Al <sub>14</sub> O <sub>33</sub>	12-CALCIUM 14-ALUMINIUM 33-OXIDE	445	CaSe	CALCIUM SELENIDE	486
Ca <sub>3</sub> Al <sub>2</sub> O <sub>6</sub> ·6H <sub>2</sub> O	3-CALCIUM 2-ALUMIN. 6-OXIDE 6-HYDRATE	446	CaSi	CALCIUM SILICON	486
CaAl <sub>2</sub> SiO <sub>6</sub>	PYROXENE	446	CaSi <sub>2</sub>	CALCIUM 2-SILICON	487
CaAl <sub>2</sub> Si <sub>2</sub> O <sub>8</sub>	ANORTHITE	447	Ca <sub>2</sub> Si	2-CALCIUM SILICON	487
Ca <sub>2</sub> Al <sub>2</sub> SiO <sub>7</sub>	GEHLENITE	448	CaSn	CALCIUM TIN	488
Ca <sub>3</sub> Al <sub>2</sub> Si <sub>3</sub> O <sub>12</sub>	GROSSULAR	448	Ca <sub>2</sub> Sn	2-CALCIUM TIN	488
CaAl <sub>2</sub> Si <sub>2</sub> O <sub>8</sub> ·2H <sub>2</sub> O	LAWSONITE	449	CaTe	CALCIUM TELLURIDE	489
CaB <sub>2</sub> O <sub>4</sub>	CALCIUM DIBORATE	449	Ca(VO <sub>3</sub> ) <sub>2</sub>	CALCIUM METAVANADATE	489
CaB <sub>4</sub> O <sub>7</sub>	CALCIUM TETRABORATE	450	Ca <sub>2</sub> V <sub>2</sub> O <sub>7</sub>	CALCIUM PYROVANADATE	490
Ca <sub>2</sub> B <sub>2</sub> O <sub>5</sub>	DICALCIUM DIBORATE	451	Ca <sub>3</sub> (VO <sub>4</sub> ) <sub>2</sub>	CALCIUM ORTHOVANADATE	490
Ca <sub>3</sub> B <sub>2</sub> O <sub>6</sub>	TRICALCIUM DIBORATE	452	CaWO <sub>4</sub>	CALCIUM TUNGSTATE	491
Ca(OC)Cl	CALCIUM CHLORIDE HYPOCHLORITE	452	Ca <sub>3</sub> WO <sub>6</sub>	CALCIUM ORTHOTUNGSTATE	491
CaFe <sub>2</sub> O <sub>4</sub>	CALCIUM DIIRON TETRAOXIDE	453	CaZn	CALCIUM ZINC	492
Ca <sub>2</sub> Fe <sub>2</sub> O <sub>5</sub>	DICALCIUM DIIRON PENTAOXIDE	453	CaZn <sub>2</sub>	CALCIUM 2-ZINC	492
CaOH(g)	CALCIUM MONOHYDROXIDE (GAS)	454	Cd	CADMIUM	493
Ca(OH) <sub>2</sub>	CALCIUM HYDROXIDE	455	Cd(g)	CADMIUM (GAS)	493
CaHfO <sub>3</sub>	CALCIUM HAFNIUM TRIOXIDE	455	Cd <sub>3</sub> As <sub>2</sub>	CADMIUM ARSENIDE	494
CaMgO <sub>2</sub>	CALCIUM MAGNESIUM DIOXIDE	456	Cd <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub>	CADMIUM ARSENATE	494
CaMgSiO <sub>4</sub>	MONTICELLITE	457	CdBr <sub>2</sub>	CADMIUM BROMIDE	495
CaMgSi <sub>2</sub> O <sub>6</sub>	DIOPSIDE	458	CdCO <sub>3</sub>	CADMIUM CARBONATE	495
Ca <sub>2</sub> MgSi <sub>2</sub> O <sub>7</sub>	AKERMANITE	459	CdCl <sub>2</sub>	CADMIUM CHLORIDE	496
Ca <sub>3</sub> MgSi <sub>2</sub> O <sub>8</sub>	MERWINITE	460	CdF <sub>2</sub>	CADMIUM FLUORIDE	497
Ca <sub>2</sub> Mg <sub>5</sub> Si <sub>8</sub> O <sub>23</sub> ·2H <sub>2</sub> O	TREMOLITE	460	CdI <sub>2</sub>	CADMIUM IODIDE	498
CaSiO <sub>3</sub>	WOLLASTONITE	461	CdO	CADMIUM OXIDE	498
CaSiO <sub>3</sub> (B)	PSEUDOWOLLASTONITE	462	CdO(g)	CADMIUM OXIDE(GAS)	499
Ca <sub>2</sub> SiO <sub>4</sub>	OLIVINE	463	CdAl <sub>2</sub> O <sub>4</sub>	CADMIUM DIALUMINIUM TETRAOXIDE	499
Ca <sub>2</sub> SiO <sub>4</sub> (B)	LARNITE	464	CdGa <sub>2</sub> O <sub>4</sub>	CADMIUM DIGALLIUM TETRAOXIDE	500
Ca <sub>3</sub> SiO <sub>5</sub>	TRICALCIUM SILICATE	464	Cd(OH) <sub>2</sub>	CADMIUM HYDROXIDE	500
Ca <sub>3</sub> Si <sub>2</sub> O <sub>7</sub>	TRICALCIUM DISILICATE (RANKINITE)	465	CdSiO <sub>3</sub>	CADMIUM METASILICATE	501
Ca <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ·2H <sub>2</sub> O	CALCIUM 2-SILICATE 2-HYDRATE	465	CdTlO <sub>3</sub>	CADMIUM TITANIUM TRIOXIDE	501
Ca <sub>2</sub> Si <sub>3</sub> O <sub>8</sub> ·2.5H <sub>2</sub> O	2-CALCIUM 3-SILICATE 5/2-HYDRATE	466	CdS	CADMIUM SULFIDE	502
Ca <sub>2</sub> SiO <sub>4</sub> ·7/6H <sub>2</sub> O	CALCIUM ORTHOSILICATE 7/6-HYDRATE	466	CdS(g)	CADMIUM SULFIDE (GAS)	502
Ca <sub>3</sub> Si <sub>2</sub> O <sub>7</sub> ·3H <sub>2</sub> O	TRICALCIUM DISILICATE TRIHYDRATE	467	CdSO <sub>4</sub>	CADMIUM SULFATE	503
Ca <sub>4</sub> Si <sub>3</sub> O <sub>10</sub> ·1.5H <sub>2</sub> O	4-CALCIUM 3-SILICATE 3/2-HYDRATE	467	CdSb	CADMIUM ANTIMONY	504
Ca <sub>5</sub> Si <sub>6</sub> O <sub>17</sub> ·3H <sub>2</sub> O	5-CALCIUM 6-SILICATE 3-HYDRATE	468	CdSe	CADMIUM SELENIDE	504
Ca <sub>5</sub> Si <sub>6</sub> O <sub>17</sub> ·5.5H <sub>2</sub> O	5-CALCIUM 6-SILICATE 5.5-HYDRATE	468	CdSeO <sub>3</sub>	CADMIUM SELENITE	505
Ca <sub>5</sub> Si <sub>6</sub> O <sub>17</sub> ·10.5H <sub>2</sub> O	5-CALCIUM 6-SILICATE 10.5-HYDRATE	469	CdTl	CADMIUM TELLURIDE	505
Ca <sub>6</sub> Si <sub>6</sub> O <sub>18</sub> ·2H <sub>2</sub> O	6-CALCIUM 6-SILICATE HYDRATE	469	Cd <sub>11</sub> U	11-CADMIUM URANIUM	506
CaTiO <sub>3</sub>	CALCIUM TITAN. TRIOXIDE (PEROVSKITE)	470	CdWO <sub>4</sub>	CADMIUM TUNGSTATE	506
Ca <sub>3</sub> Ti <sub>2</sub> O <sub>7</sub>	3-CALCIUM 2-TITANIUM 7-OXIDE	471	Ce	CERIUM	507
Ca <sub>4</sub> Ti <sub>3</sub> O <sub>10</sub>	4-CALCIUM 3-TITANIUM 10-OXIDE	472	Ce(g)	CERIUM (GAS)	508
CaTiSiO <sub>5</sub>	SPHENE	473	CeB <sub>6</sub>	CERIUM HEXABORIDE	509
CaUO <sub>4</sub>	CALCIUM URANATE	474	CeBr <sub>3</sub>	CERIUM BROMIDE	510
CaZrO <sub>3</sub>	CALCIUM ZIRCONIUM TRIOXIDE	475	CeBr <sub>3</sub> (g)	CERIUM BROMIDE (GAS)	511
Ca <sub>3</sub> P <sub>2</sub>	TRICALCIUM DIPHOSPHIDE	476	CeC <sub>2</sub>	CERIUM DICARBIDE	511
Ca <sub>2</sub> P <sub>2</sub> O <sub>7</sub>	CALCIUM PYROPHOSPHATE	477	Ce <sub>2</sub> C <sub>3</sub>	DICERIUM TRICARBIDE	512
Ca <sub>3</sub> (PO <sub>4</sub> ) <sub>2</sub>	CALCIUM PHOSPHATE	478	CeCl <sub>3</sub>	CERIUM CHLORIDE	512
CaPb	CALCIUM LEAD	479	CeCl <sub>3</sub> (g)	CERIUM CHLORIDE (GAS)	513
Ca <sub>2</sub> Pb	2-CALCIUM LEAD	479	CeF <sub>3</sub>	CERIUM FLUORIDE	514
CaS	CALCIUM SULFIDE	480	CeF <sub>3</sub> (g)	CERIUM FLUORIDE (GAS)	515
CaS(g)	CALCIUM SULFIDE (GAS)	481	CeH <sub>2</sub>	CERIUM DIHYDRIDE	515
CaSO <sub>3</sub>	CALCIUM SULFITE	482	CeI <sub>3</sub>	CERIUM IODIDE	516
CaSO <sub>4</sub>	CALCIUM SULFATE	483	CeI <sub>3</sub> (g)	CERIUM IODIDE (GAS)	517
CaSO <sub>3</sub> ·0.5H <sub>2</sub> O	CALCIUM SULFITE HEMIHYDRATE	484	CeMg	CERIUM MAGNESIUM	517
CaSO <sub>4</sub> ·0.5H <sub>2</sub> O	CALCIUM SULFATE HEMIHYDRATE	484	CeN	CERIUM NITRIDE	518
CaSO <sub>4</sub> ·2H <sub>2</sub> O	CALCIUM SULFATE DIHYDRATE (GYPSUM)	485	CeO <sub>2</sub>	CERIUM DIOXIDE	519
			Ce <sub>2</sub> O <sub>3</sub>	CERIUM OXIDE	519

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CeAlO <sub>3</sub>	CERIUM ALUMINIUM TRIOXIDE	520	CrBr <sub>2</sub>	CHROMIUM DIBROMIDE	559
CeCrO <sub>3</sub>	CERIUM CHROMIUM TRIOXIDE	520	CrBr <sub>3</sub>	CHROMIUM TRIBROMIDE	559
CeS	CERIUM MONOSULFIDE	521	CrBr <sub>4</sub> [g]	CHROMIUM TETRABROMIDE (GAS)	560
Ce <sub>2</sub> S <sub>3</sub>	CERIUM SULFIDE	522	Cr <sub>3</sub> C <sub>2</sub>	3-CHROMIUM 2-CARBIDE	560
Ce <sub>3</sub> S <sub>4</sub>	TRICERIUM TETRASULFIDE	522	Cr <sub>7</sub> C <sub>3</sub>	7-CHROMIUM 3-CARBIDE	561
Ce <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	CERIUM SULFATE	523	Cr <sub>23</sub> C <sub>6</sub>	23-CHROMIUM 6-CARBIDE	562
CeTe[g]	CERIUM MONOTELLURIDE (GAS)	523	Cr(CO) <sub>6</sub>	CHROMIUM HEXACARBONYL	562
Cl[g]	CHLORINE (GAS)	524	CrCl <sub>2</sub>	CHROMIUM DICHLORIDE	563
Cl <sub>2</sub> [g]	CHLORINE (GAS)	525	CrCl <sub>3</sub>	CHROMIUM TRICHLORIDE	563
ClCN[g]	CARBON NITRIDE CHLORIDE (GAS)	526	CrCl <sub>4</sub> [g]	CHROMIUM TETRACHLORIDE (GAS)	564
ClF[g]	CHLORINE MONOFLUORIDE (GAS)	527	CrF <sub>2</sub>	CHROMIUM DIFLUORIDE	564
ClF <sub>3</sub> [g]	CHLORINE TRIFLUORIDE (GAS)	528	CrF <sub>3</sub>	CHROMIUM TRIFLUORIDE	565
ClO[g]	CHLORINE MONOXIDE (GAS)	529	CrF <sub>4</sub>	CHROMIUM TETRAFLUORIDE	565
Cl <sub>2</sub> O[g]	DICHLORINE MONOXIDE (GAS)	530	CrI <sub>2</sub>	CHROMIUM DIIODIDE	566
Co	COBALT	531	CrI <sub>3</sub>	CHROMIUM TRIIODIDE	566
Co[g]	COBALT (GAS)	532	CrN	CHROMIUM NITRIDE	567
Co <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub>	COBALT ARSENATE	533	Cr <sub>2</sub> N	DICHRONIUM NITRIDE	567
CoB	COBALT MONOBORIDE	533	Cr <sub>2</sub> Nb	2-CHROMIUM NIOBIUM	568
Co <sub>2</sub> B	DICOBALT BORIDE	534	CrO[g]	CHROMIUM MONOXIDE (GAS)	569
CoBr <sub>2</sub>	COBALT DIBROMIDE	534	CrO <sub>2</sub>	CHROMIUM DIOXIDE	570
CoCO <sub>3</sub>	COBALT CARBONATE	535	CrO <sub>2</sub> [g]	CHROMIUM DIOXIDE (GAS)	570
CoCl[g]	COBALT MONOCHLORIDE (GAS)	535	CrO <sub>3</sub>	CHROMIUM TRIOXIDE	571
CoCl <sub>2</sub>	COBALT DICHLORIDE	536	CrO <sub>3</sub> [g]	CHROMIUM TRIOXIDE (GAS)	572
CoCl <sub>2</sub> [g]	COBALT DICHLORIDE (GAS)	537	Cr <sub>2</sub> O <sub>3</sub>	DICHRONIUM TRIOXIDE	573
CoCl <sub>3</sub> [g]	COBALT TRICHLORIDE (GAS)	538	CrO <sub>2</sub> Cl <sub>2</sub> [g]	CHROMIUM DICHLORIDE DIOXIDE (GAS)	574
Co <sub>2</sub> Cl <sub>4</sub> [g]	DICOBALT TETRACHLORIDE (GAS)	539	Cr <sub>2</sub> FeO <sub>4</sub>	DICHRONIUM IRON TETRAOXIDE	575
CoF <sub>2</sub>	COBALT DIFLUORIDE	540	Cr <sub>2</sub> MgO <sub>4</sub>	DICHRONIUM MAGNESIUM TETRAOXIDE	576
CoF <sub>2</sub> [g]	COBALT DIFLUORIDE (GAS)	541	Cr <sub>2</sub> NiO <sub>4</sub>	DICHRONIUM NICKEL TETRAOXIDE	577
CoF <sub>3</sub>	COBALT TRIFLUORIDE	541	CrNaO <sub>2</sub>	CHROMIUM SODIUM DIOXIDE	577
CoI <sub>2</sub>	COBALT DIIODIDE	542	CrS	CHROMIUM MONOSULFIDE	578
Co <sub>3</sub> N	TRICOBALT NITRIDE	542	CrS <sub>1.17</sub>	CHROMIUM 1.17-SULFIDE	579
CoO	COBALT MONOXIDE	543	Cr <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	CHROMIUM SULFATE	579
Co <sub>3</sub> O <sub>4</sub>	TRICOBALT TETRAOXIDE	544	CrSi	CHROMIUM SILICON	580
CoCr <sub>2</sub> O <sub>4</sub>	COBALT DICHRONIUM TETRAOXIDE	544	CrSi <sub>2</sub>	CHROMIUM 2-SILICON	580
CoFe <sub>2</sub> O <sub>4</sub>	COBALT DIIRON TETRAOXIDE	545	Cr <sub>3</sub> Si	3-CHROMIUM SILICON	581
Co(OH) <sub>2</sub>	COBALT HYDROXIDE (PRECIPITATED)	545	Cr <sub>5</sub> Si <sub>3</sub>	5-CHROMIUM 3-SILICON	582
Co <sub>2</sub> SiO <sub>4</sub>	DICOBALT SILICATE	546	Cr <sub>2</sub> Ta	2-CHROMIUM TANTALUM	583
CoTiO <sub>3</sub>	COBALT TITANIUM TRIOXIDE	547	Cs	CESIUM	583
Co <sub>2</sub> TiO <sub>4</sub>	DICOBALT TITANIUM TETRAOXIDE	548	Cs[g]	CESIUM (GAS)	584
CoP	COBALT MONOPHOSPHIDE	548	Cs <sub>2</sub> [g]	CESIUM (GAS)	585
CoP <sub>3</sub>	COBALT TRIPHOSPHIDE	549	Cs <sub>3</sub> AsO <sub>4</sub>	CESIUM ARSENATE	585
Co <sub>2</sub> P	DICOBALT PHOSPHIDE	549	CsBr	CESIUM BROMIDE	586
CoS <sub>0.89</sub>	COBALT 0.89-SULFIDE	550	CsBr[g]	CESIUM BROMIDE (GAS)	587
CoS <sub>2</sub>	COBALT DISULFIDE	550	Cs <sub>2</sub> CO <sub>3</sub>	CESIUM CARBONATE	587
Co <sub>3</sub> S <sub>4</sub>	TRICOBALT TETRASULFIDE	551	CsCl	CESIUM CHLORIDE	588
CoSO <sub>4</sub>	COBALT SULFATE	551	CsCl[g]	CESIUM CHLORIDE (GAS)	589
CoSb <sub>0.98</sub>	COBALT 0.98-ANTIMONY	552	Cs <sub>2</sub> Cl <sub>2</sub> [g]	DICESIUM DICHLORIDE (GAS)	590
CoSb <sub>2</sub>	COBALT 2-ANTIMONY	552	CsF	CESIUM FLUORIDE	591
CoSb <sub>3</sub>	COBALT 3-ANTIMONY	553	CsF[g]	CESIUM FLUORIDE (GAS)	592
CoSeO <sub>3</sub>	COBALT SELENITE	553	Cs <sub>2</sub> F <sub>2</sub> [g]	DICESIUM DIFLUORIDE (GAS)	593
CoSn	COBALT TIN	554	CsI	CESIUM IODIDE	594
CoWO <sub>4</sub>	COBALT TUNGSTATE	554	CsI[g]	CESIUM IODIDE (GAS)	595
Cr	CHROMIUM	555	CsO[g]	CESIUM MONOXIDE (GAS)	596
Cr[g]	CHROMIUM (GAS)	556	CsO <sub>2</sub>	CESIUM DIOXIDE	596
Cr <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub>	TRICHRONIUM ARSENATE	557	Cs <sub>2</sub> O	CESIUM OXIDE	597
CrAsO <sub>4</sub>	CHROMIUM ARSENATE	557	Cs <sub>2</sub> O[g]	CESIUM OXIDE (GAS)	597
CrB	CHROMIUM MONOBORIDE	558	Cs <sub>2</sub> O <sub>3</sub>	DICESIUM TRIOXIDE	598
CrB <sub>2</sub>	CHROMIUM DIBORIDE	558	CsOH	CESIUM HYDROXIDE	598

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CsOH(g)	CESIUM HYDROXIDE (GAS)	599	D <sub>2</sub> O(g)	WATER-D <sub>2</sub> (GAS)	641
Cs <sub>2</sub> (OH) <sub>2</sub> (g)	DICESIUM DIHYDROXIDE (GAS)	600	DS(g)	HYDROGEN MONOSULFIDE-D <sub>1</sub> (GAS)	642
Cs <sub>2</sub> SO <sub>4</sub>	CESIUM SULFATE	601	D <sub>2</sub> S(g)	HYDROGEN SULFIDE-D <sub>2</sub> (GAS)	643
Cu	COPPER	602	Dy	DYSPROSIUM	644
Cu(g)	COPPER (GAS)	603	Dy(g)	DYSPROSIUM (GAS)	645
Cu <sub>3</sub> As	TRICOPPER ARSENIDE	604	DyBr <sub>3</sub> (g)	DYSPROSIUM BROMIDE (GAS)	646
Cu <sub>3</sub> AsO <sub>4</sub>	TRICOPPER ARSENATE	604	DyCl <sub>3</sub>	DYSPROSIUM CHLORIDE	646
Cu <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub>	TRICOPPER DIARSENATE	605	DyCl <sub>3</sub> (g)	DYSPROSIUM CHLORIDE (GAS)	647
CuBr	COPPER MONOBROMIDE	606	DyCl <sub>3</sub> ·6H <sub>2</sub> O	DYSPROSIUM CHLORIDE HEXAHYDRATE	647
CuBr(g)	COPPER MONOBROMIDE (GAS)	607	DyF <sub>3</sub>	DYSPROSIUM FLUORIDE	648
CuBr <sub>2</sub>	COPPER DIBROMIDE	607	DyF <sub>3</sub> (g)	DYSPROSIUM FLUORIDE (GAS)	649
Cu <sub>3</sub> Br <sub>3</sub> (g)	TRICOPPER TRIBROMIDE (GAS)	608	DyI <sub>3</sub> (g)	DYSPROSIUM IODIDE (GAS)	650
CuCN	COPPER CYANIDE	608	Dy <sub>2</sub> O <sub>3</sub>	DYSPROSIUM OXIDE	651
CuCl	COPPER MONOCHLORIDE	609	Er	ERBIUM	652
CuCl(g)	COPPER MONOCHLORIDE (GAS)	610	Er(g)	ERBIUM (GAS)	653
CuCl <sub>2</sub>	COPPER DICHLORIDE	610	ErBr <sub>3</sub> (g)	ERBIUM BROMIDE (GAS)	654
Cu <sub>3</sub> Cl <sub>3</sub> (g)	TRICOPPER TRICHLORIDE (GAS)	611	ErCl <sub>3</sub>	ERBIUM CHLORIDE	655
CuF	COPPER MONOFLUORIDE	611	ErCl <sub>3</sub> (g)	ERBIUM CHLORIDE (GAS)	656
CuF(g)	COPPER MONOFLUORIDE (GAS)	612	ErCl <sub>3</sub> ·6H <sub>2</sub> O	ERBIUM CHLORIDE HEXAHYDRATE	656
CuF <sub>2</sub>	COPPER DIFLUORIDE	613	ErF <sub>3</sub>	ERBIUM FLUORIDE	657
CuF <sub>2</sub> (g)	COPPER DIFLUORIDE (GAS)	614	ErF <sub>3</sub> (g)	ERBIUM FLUORIDE (GAS)	658
CuFeS <sub>2</sub>	COPPER IRON DISULFIDE	615	ErI <sub>3</sub> (g)	ERBIUM IODIDE (GAS)	659
Cu <sub>5</sub> FeS <sub>4</sub>	PENTACOPPER IRON TETRASULFIDE	616	Er <sub>2</sub> O <sub>3</sub>	ERBIUM OXIDE (CUBIC)	660
CuI	COPPER MONOIODIDE	617	Eu	EUROPIUM	661
CuI(g)	COPPER MONOIODIDE (GAS)	618	Eu(g)	EUROPIUM (GAS)	662
Cu <sub>3</sub> I <sub>3</sub> (g)	TRICOPPER TRIIODIDE (GAS)	618	EuBr <sub>2</sub>	EUROPIUM DIBROMIDE	663
CuMg <sub>2</sub>	1-COPPER 2-MAGNESIUM	619	EuBr <sub>2</sub> (g)	EUROPIUM DIBROMIDE (GAS)	663
Cu <sub>2</sub> Mg	2-COPPER 1-MAGNESIUM	619	EuBr <sub>3</sub>	EUROPIUM BROMIDE	664
CuMoO <sub>4</sub>	COPPER MOLYBDATE	620	EuCl <sub>3</sub>	EUROPIUM CHLORIDE	664
CuO	COPPER MONOXIDE	620	EuCl <sub>3</sub> ·6H <sub>2</sub> O	EUROPIUM CHLORIDE HEXAHYDRATE	665
CuO(g)	COPPER MONOXIDE (GAS)	621	EuCl <sub>3</sub> (g)	EUROPIUM CHLORIDE (GAS)	665
Cu <sub>2</sub> O	DICOPPER OXIDE	622	EuF <sub>3</sub>	EUROPIUM FLUORIDE	666
CuFeO <sub>2</sub>	COPPER IRON DIOXIDE	623	EuF <sub>3</sub> (g)	EUROPIUM FLUORIDE (GAS)	667
CuFe <sub>2</sub> O <sub>4</sub>	COPPER DIIRON TETRAOXIDE	624	Eu <sub>2</sub> O <sub>3</sub>	EUROPIUM OXIDE (CUBIC)	667
Cu(OH) <sub>2</sub>	COPPER HYDROXIDE	624	Eu <sub>2</sub> O <sub>3</sub> (M)	EUROPIUM OXIDE (MONOCLINIC)	668
Cu <sub>2</sub> OSO <sub>4</sub>	DICOPPER OXIDE SULFATE	625	EuS	EUROPIUM MONOSULFIDE	669
CuP <sub>2</sub>	COPPER DIPHOSPHIDE	625	EuS(g)	EUROPIUM MONOSULFIDE (GAS)	670
Cu <sub>3</sub> P	TRICOPPER PHOSPHIDE	626	F(g)	FLUORINE (GAS)	671
CuS	COPPER SULFIDE	626	F <sub>2</sub> (g)	FLUORINE (GAS)	672
CuS(g)	COPPER SULFIDE (GAS)	627	FCN(g)	CARBON NITRIDE-FLUORIDE (GAS)	673
Cu <sub>2</sub> S	DICOPPER SULFIDE	628	FClCO(g)	CARBON OXIDE-FLUORIDE-CHLORIDE (GAS)	674
CuSO <sub>4</sub>	COPPER SULFATE	629	Fe	IRON	675
Cu <sub>2</sub> SO <sub>4</sub>	DICOPPER SULFATE	629	Fe(g)	IRON (GAS)	676
CuSO <sub>4</sub> ·H <sub>2</sub> O	COPPER SULFATE MONOHYDRATE	630	Fe <sub>3</sub> (AsO <sub>4</sub> ) <sub>2</sub>	TRIIRON DIARSENATE	677
CuSO <sub>4</sub> ·3H <sub>2</sub> O	COPPER SULFATE TRIHYDRATE	630	FeAsO <sub>4</sub>	IRON ARSENATE	677
CuSO <sub>4</sub> ·5H <sub>2</sub> O	COPPER SULFATE PENTAHYDRATE	631	FeB	IRON MONOBORIDE	678
Cu <sub>2</sub> Sb	2-COPPER ANTIMONY	631	Fe <sub>2</sub> B	DIIRON BORIDE	679
CuSe	COPPER SELENIDE	632	FeBr <sub>2</sub>	IRON DIBROMIDE	680
Cu <sub>2</sub> Se(B)	DICOPPER SELENIDE	632	FeBr <sub>2</sub> (g)	IRON DIBROMIDE (GAS)	681
Cu <sub>2</sub> SeO <sub>3</sub>	COPPER SELENITE	633	FeBr <sub>3</sub>	IRON TRIBROMIDE	681
CuTe	COPPER TELLURIDE	633	Fe <sub>2</sub> Br <sub>4</sub> (g)	DIIRON TETRABROMIDE (GAS)	682
Cu <sub>2</sub> Te	DICOPPER TELLURIDE	634	Fe <sub>3</sub> C	TRIIRON CARBIDE	683
D(g)	DEUTERIUM (GAS)	635	FeCO <sub>3</sub>	IRON CARBONATE	683
D <sub>2</sub> (g)	DEUTERIUM (GAS)	636	Fe(CO) <sub>5</sub>	IRON PENTACARBONYL	684
DCl(g)	HYDROGEN CHLORIDE-D <sub>1</sub> (GAS)	637	Fe(CO) <sub>5</sub> (g)	IRON PENTACARBONYL (GAS)	684
DF(g)	HYDROGEN FLUORIDE-D <sub>1</sub> (GAS)	638	FeCl(g)	IRON MONOCHLORIDE (GAS)	685
DH(g)	HYDROGEN-D <sub>1</sub> (GAS)	639	FeCl <sub>2</sub>	IRON DICHLORIDE	686
D <sub>2</sub> O	WATER-D <sub>2</sub>	640	FeCl <sub>2</sub> (g)	IRON DICHLORIDE (GAS)	687

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FeCl <sub>3</sub>	IRON TRICHLORIDE	687	GaCl[g]	GALLIUM MONOCHLORIDE (GAS)	731
FeCl <sub>3</sub> [g]	IRON TRICHLORIDE (GAS)	688	GaCl <sub>2</sub> [g]	GALLIUM DICHLORIDE (GAS)	732
Fe <sub>2</sub> Cl <sub>4</sub> [g]	DIIRON TETRACHLORIDE (GAS)	689	GaCl <sub>3</sub>	GALLIUM CHLORIDE	732
Fe <sub>2</sub> Cl <sub>6</sub> [g]	DIIRON HEXACHLORIDE (GAS)	690	GaCl <sub>3</sub> [g]	GALLIUM CHLORIDE (GAS)	733
FeF <sub>2</sub>	IRON DIFLUORIDE	691	Ga <sub>2</sub> Cl <sub>6</sub> [g]	DIGALLIUM HEXACHLORIDE (GAS)	734
FeF <sub>2</sub> [g]	IRON DIFLUORIDE (GAS)	692	GaF[g]	GALLIUM MONOFLUORIDE (GAS)	735
FeF <sub>3</sub>	IRON TRIFLUORIDE	692	GaF <sub>2</sub> [g]	GALLIUM DIFLUORIDE (GAS)	736
FeF <sub>3</sub> [g]	IRON TRIFLUORIDE (GAS)	693	GaF <sub>3</sub>	GALLIUM FLUORIDE	737
FeI <sub>2</sub>	IRON DIIODIDE	694	GaF <sub>3</sub> [g]	GALLIUM FLUORIDE (GAS)	738
FeI <sub>2</sub> [g]	IRON DIIODIDE (GAS)	695	GaI <sub>3</sub>	GALLIUM IODIDE	738
FeI <sub>4</sub> [g]	DIIRON TETRAIODIDE (GAS)	696	GaN	GALLIUM NITRIDE	739
Fe <sub>3</sub> Mo <sub>2</sub>	3-IRON 2-MOLYBDENUM	697	GaO[g]	GALLIUM MONOXIDE (GAS)	740
FeMoO <sub>4</sub>	IRON MOLYBDATE	697	Ga <sub>2</sub> O[g]	DIGALLIUM OXIDE (GAS)	741
Fe <sub>4</sub> N	TETRAIRON NITRIDE	698	Ga <sub>2</sub> O <sub>3</sub>	GALLIUM OXIDE	742
Fe <sub>0.9470</sub>	WUESTITE	699	GaP	GALLIUM PHOSPHIDE	743
FeO	IRON MONOXIDE	700	GaS	GALLIUM MONOSULFIDE	743
FeO[g]	IRON MONOXIDE (GAS)	701	Ga <sub>2</sub> S[g]	DIGALLIUM SULFIDE (GAS)	744
Fe <sub>2</sub> O <sub>3</sub>	HEMATITE	702	Ga <sub>2</sub> S <sub>3</sub>	DIGALLIUM TRISULFIDE	744
Fe <sub>3</sub> O <sub>4</sub>	MAGNETITE	703	GaSb	GALLIUM ANTIMONY	745
FeAl <sub>2</sub> O <sub>4</sub>	IRON DIALUMINIUM TETRAOXIDE	704	GaSe	GALLIUM MONOSELENIDE	745
FeOCl	IRON CHLORIDE OXIDE	704	Ga <sub>2</sub> Se <sub>3</sub>	DIGALLIUM TRISELENIDE	746
Fe(OH) <sub>2</sub>	IRON DIHYDROXIDE	705	Ga <sub>2</sub> (SeO <sub>4</sub> ) <sub>3</sub>	GALLIUM SELENATE	746
Fe(OH) <sub>3</sub>	IRON TRIHYDROXIDE	705	GaTe	GALLIUM MONOTELLURIDE	747
Fe <sub>2</sub> O <sub>3</sub> ·H <sub>2</sub> O	IRON TRIOXIDE HYDRATE (GOETHITE)	706	Ga <sub>2</sub> Te <sub>3</sub>	DIGALLIUM TRITELLURIDE	747
Fe <sub>2</sub> MgO <sub>4</sub>	DIIRON MAGNESIUM TETRAOXIDE	706	Gd	GADOLINIUM	748
Fe <sub>2</sub> MnO <sub>4</sub>	DIIRON MANGANESE TETRAOXIDE	707	Gd[g]	GADOLINIUM (GAS)	749
FeNaO <sub>2</sub>	IRON SODIUM DIOXIDE	708	GdBr <sub>3</sub>	GADOLINIUM BROMIDE	750
Fe <sub>2</sub> NiO <sub>4</sub>	DIIRON NICKEL TETRAOXIDE	709	GdBr <sub>3</sub> [g]	GADOLINIUM BROMIDE (GAS)	751
FePO <sub>4</sub>	IRON PHOSPHATE	710	GdCl <sub>3</sub>	GADOLINIUM CHLORIDE	752
FePO <sub>4</sub> ·2H <sub>2</sub> O	IRON PHOSPHATE DIHYDRATE (STRENGITE)	711	GdCl <sub>3</sub> [g]	GADOLINIUM CHLORIDE (GAS)	753
FeSiO <sub>3</sub>	IRON METASILICATE	712	GdF <sub>3</sub>	GADOLINIUM FLUORIDE	754
Fe <sub>2</sub> SiO <sub>4</sub>	IRON ORTHOSILICATE (FAYALITE)	713	GdF <sub>3</sub> [g]	GADOLINIUM FLUORIDE (GAS)	755
FeTiO <sub>3</sub>	IRON TITANIUM TRIOXIDE (ILMENITE)	714	GdI <sub>3</sub>	GADOLINIUM IODIDE	756
Fe <sub>2</sub> TiO <sub>4</sub>	DIIRON TITANIUM TETROXIDE	715	GdI <sub>3</sub> [g]	GADOLINIUM IODIDE (GAS)	757
FeV <sub>2</sub> O <sub>4</sub>	IRON DIVANADIUM TETRAOXIDE	716	Gd <sub>2</sub> O <sub>3</sub>	GADOLINIUM OXIDE (CUBIC)	758
Fe <sub>2</sub> ZnO <sub>4</sub>	DIIRON ZINC TETRAOXIDE	716	Gd <sub>2</sub> O <sub>3</sub> [M]	GADOLINIUM OXIDE (MONOCLINIC)	759
Fe <sub>0.8775</sub>	PYRRHOTITE	717	GdOCl	GADOLINIUM CHLORIDE OXIDE	759
FeS	IRON MONOSULFIDE	718	Ge	GERMANIUM	760
FeS[g]	IRON MONOSULFIDE (GAS)	719	Ge[g]	GERMANIUM (GAS)	761
FeS <sub>2</sub>	IRON DISULFIDE	720	GeBr <sub>4</sub> [g]	GERMANIUM TETRABROMIDE (GAS)	762
FeSO <sub>4</sub>	IRON SULFATE	720	GeCl[g]	GERMANIUM MONOCHLORIDE (GAS)	762
Fe <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub>	DIIRON TRISULFATE	721	GeCl <sub>2</sub> [g]	GERMANIUM DICHLORIDE (GAS)	763
FeSe <sub>0.96</sub>	IRON 0.96-SELENIDE	721	GeCl <sub>3</sub> [g]	GERMANIUM TRICHLORIDE (GAS)	764
FeSi	IRON SILICON	722	GeCl <sub>4</sub> [g]	GERMANIUM TETRACHLORIDE (GAS)	765
FeSi <sub>2</sub>	LEBOITE (BETA)	722	GeF[g]	GERMANIUM MONOFLUORIDE (GAS)	766
FeSi <sub>2.33</sub>	LEBOITE (ALPHA)	723	GeF <sub>2</sub> [g]	GERMANIUM DIFLUORIDE (GAS)	767
Fe <sub>2</sub> Ta	2-IRON TANTALUM	723	GeF <sub>3</sub> [g]	GERMANIUM TRIFLUORIDE (GAS)	768
FeTe <sub>0.9</sub>	IRON 0.9-TELLURIDE	724	GeF <sub>4</sub> [g]	GERMANIUM TETRAFLUORIDE (GAS)	769
FeTe <sub>2</sub>	IRON DITELLURIDE	724	GeH <sub>4</sub> [g]	GERMANIUM TETRAHYDRIDE (GAS)	770
FeTi	IRON TITANIUM	725	GeI <sub>4</sub> [g]	GERMANIUM TETRAIODIDE (GAS)	770
Fe <sub>2</sub> U	2-IRON URANIUM	726	GeMg <sub>2</sub>	GERMANIUM 2-MAGNESIUM	771
Fe(VO <sub>3</sub> ) <sub>2</sub>	IRON VANADATE	726	GeN <sub>2</sub>	GERMANIUM 2-NICKEL	771
FeWO <sub>4</sub>	IRON TUNGSTATE	727	GeO[g]	GERMANIUM MONOXIDE (GAS)	772
Ga	GALLIUM	728	GeO <sub>2</sub>	GERMANIUM DIOXIDE	773
Ga[g]	GALLIUM (GAS)	729	GeP	GERMANIUM PHOSPHIDE	774
GaAs	GALLIUM ARSENIDE	730	GeS	GERMANIUM MONOSULFIDE	774
GaAsO <sub>4</sub>	GALLIUM ARSENATE	730	GeS[g]	GERMANIUM MONOSULFIDE (GAS)	775
GaBr <sub>3</sub>	GALLIUM BROMIDE	731	GeS <sub>2</sub>	GERMANIUM DISULFIDE	776



化学式	英文名称	页码	化学式	英文名称	页码
GeSe	GERMANIUM MONOSELENIDE	776	HfSrO3	HAFNIUM STRONTIUM TRIOXIDE	819
GeSe[g]	GERMANIUM MONOSELENIDE (GAS)	777	Hg	MERCURY	819
GeSe2	GERMANIUM DISELENIDE	777	Hg[g]	MERCURY (GAS)	820
GeTe	GERMANIUM MONOTELLURIDE	778	Hg3(AsO4)2	TRIMERCURY DIARSENATE	820
GeU	GERMANIUM URANIUM	778	HgBr[g]	MERCURY MONOBROMIDE (GAS)	821
Ge2U	2-GERMANIUM URANIUM	779	HgBr2	MERCURY DIBROMIDE	821
Ge3U	3-GERMANIUM URANIUM	779	HgBr2[g]	MERCURY DIBROMIDE (GAS)	822
Ge3U5	3-GERMANIUM 5-URANIUM	780	Hg2Br2	DIMERCURY DIBROMIDE	822
Ge5U3	5-GERMANIUM 3-URANIUM	780	HgCl[g]	MERCURY MONOCHLORIDE (GAS)	823
H[g]	HYDROGEN (GAS)	781	HgCl2	MERCURY DICHLORIDE	823
H2[g]	HYDROGEN (GAS)	782	HgCl2[g]	MERCURY DICHLORIDE (GAS)	824
HBO2	METABORIC ACID	783	Hg2Cl2	DIMERCURY DICHLORIDE	824
HBO2[g]	METABORIC ACID (GAS)	783	HgF[g]	MERCURY MONOFLUORIDE (GAS)	825
H3BO3	BORIC ACID	784	HgF2	MERCURY DIFLUORIDE	825
H3BO3[g]	BORIC ACID (GAS)	784	HgF2[g]	MERCURY DIFLUORIDE (GAS)	826
HBr[g]	HYDROGEN BROMIDE (GAS)	785	Hg2F2	DIMERCURY DIFLUORIDE	826
HCCN[g]	DICARBON HYDRIDE-NITRIDE (GAS)	786	HgH[g]	MERCURY MONOHYDRIDE (GAS)	827
HCN[g]	HYDROGEN CYANIDE (GAS)	787	HgI[g]	MERCURY MONIODIDE (GAS)	828
HCl[g]	HYDROGEN CHLORIDE (GAS)	788	HgI2	MERCURY DIIODIDE	828
HCICO[g]	CARBON OXIDE-HYDRIDE-CHLORIDE (GAS)	789	HgI2[g]	MERCURY DIIODIDE (GAS)	829
HF[g]	HYDROGEN FLUORIDE (GAS)	790	Hg2I2	DIMERCURY DIIODIDE	829
HFCO[g]	CARBON OXIDE-HYDRIDE-FLUORIDE (GAS)	791	HgO	MERCURY OXIDE (RED)	830
HI[g]	HYDROGEN IODIDE (GAS)	792	HgO[g]	MERCURY OXIDE (GAS)	830
HNC[g]	NITROGEN HYDRIDE-CARBIDE (GAS)	793	HgS	MERCURY SULFIDE (RED.)	831
HNCO[g]	ISOCYANIC ACID (GAS)	794	HgS[g]	MERCURY SULFIDE (GAS)	831
HNO3[g]	NITRIC ACID (GAS)	795	HgSO4	MERCURY SULFATE	832
H2O	WATER	795	Hg2SO4	DIMERCURY SULFATE	832
H2O[g]	WATER (GAS)	796	HgSe	MERCURY SELENIDE	833
H2O2	HYDROGEN PEROXIDE	797	HgSe[g]	MERCURY SELENIDE (GAS)	833
H2O2[g]	HYDROGEN PEROXIDE (GAS)	797	HgSeO3	MERCURY SELENITE	834
HDO[g]	WATER-D1 (GAS)	798	HgTe	MERCURY TELLURIDE	834
H3PO4	PHOSPHORIC ACID	799	HgTe[g]	MERCURY TELLURIDE (GAS)	835
HS[g]	HYDROGEN MONOSULFIDE (GAS)	800	Ho	HOLMIUM	836
H2S[g]	HYDROGEN SULFIDE (GAS)	801	Ho[g]	HOLMIUM (GAS)	837
H2S2[g]	DIHYDROGEN DISULFIDE (GAS)	801	HoBr3	HOLMIUM BROMIDE	838
H2SO4	SULFURIC ACID	802	HoBr3[g]	HOLMIUM BROMIDE (GAS)	839
H2SO4[g]	SULFURIC ACID (GAS)	802	HoCl3	HOLMIUM CHLORIDE	840
H2Se[g]	HYDROGEN SELENIDE (GAS)	803	HoCl3[g]	HOLMIUM CHLORIDE (GAS)	841
H2Te[g]	HYDROGEN TELLURIDE (GAS)	804	HoCl3*6H2O	HOLMIUM CHLORIDE HEXAHYDRATE	841
H2WO4	TUNGSTIC ACID	804	HoF3	HOLMIUM FLUORIDE	842
H2WO4[g]	TUNGSTIC ACID (GAS)	805	HoF3[g]	HOLMIUM FLUORIDE (GAS)	843
He[g]	HELIUM (GAS)	806	Ho2O3	HOLMIUM OXIDE	843
Hf	HAFNIUM	807	I[g]	IODINE (GAS)	844
Hf[g]	HAFNIUM (GAS)	809	I2	IODINE	845
HfB2	HAFNIUM DIBORIDE	810	I2[g]	IODINE (GAS)	845
HfBr4	HAFNIUM TETRABROMIDE	810	In	INDIUM	846
HfBr4[g]	HAFNIUM TETRABROMIDE (GAS)	811	In[g]	INDIUM (GAS)	847
HfC	HAFNIUM CARBIDE	812	InAs	INDIUM ARSENIDE	848
HfCl2[g]	HAFNIUM DICHLORIDE (GAS)	813	InAsO4	INDIUM ARSENATE	848
HfCl3[g]	HAFNIUM TRICHLORIDE (GAS)	814	InBr	INDIUM MONOBROMIDE	849
HfCl4	HAFNIUM TETRACHLORIDE	814	InBr[g]	INDIUM MONOBROMIDE (GAS)	849
HfCl4[g]	HAFNIUM TETRACHLORIDE (GAS)	815	InBr3	INDIUM TRIBROMIDE	850
HfF4	HAFNIUM TETRAFLUORIDE	815	InCl	INDIUM MONOCHLORIDE	850
HfF4[g]	HAFNIUM TETRAFLUORIDE (GAS)	816	InCl[g]	INDIUM MONOCHLORIDE (GAS)	851
HfI4	HAFNIUM TETRAIODIDE	816	InCl2	INDIUM DICHLORIDE	851
HfI4[g]	HAFNIUM TETRAIODIDE (GAS)	817	InCl2[g]	INDIUM DICHLORIDE (GAS)	852
HfN	HAFNIUM NITRIDE	817	InCl3	INDIUM TRICHLORIDE	852
HfO2	HAFNIUM DIOXIDE	818	InCl3[g]	INDIUM TRICHLORIDE (GAS)	853