

Molybdenum Consortium Substance Portfolio - March 2012

EC Substance Name	Synonyms	Formula	EINECS No.	CAS	Reach Substance Type	Lead Registrant*
1 Molybdenum Sulfide (MoS ₂), roasted	Roasted Molybdenite Concentrate, tech oxide, moly oxide technical grade, molybdic oxide	MoO ₃ is the formula of the main component. Complex compound sintered. Composition is 80-90% (MoO ₃ /Mo ₄ O ₁₁ /MoO ₂)	289-178-0	86089-09-0	Mono-Constituent Substance	Sadaci NV
2 Molybdenum Trioxide	Molybdenum Trioxide (pure)	MoO ₃	215-204-7	1313-27-5	Mono-Constituent Substance	Climax Molybdenum BV
3 Molybdenum	Molybdenum Metal	Mo	231-107-2	7439-98-7	Mono-Constituent Substance	Plansee Metall GmbH
4 Disodium Molybdate	Sodium Molybdate, SoMo	Na ₂ MoO ₄ Na ₂ MoO ₄ .2H ₂ O	231-551-7 & 231-551-7	7631-95-0 & 10102-40-6	Mono-Constituent Substance	Climax Molybdenum BV
5 Diammonium Dimolybdate	Ammonium Dimolybdate, ADM	(NH ₄) ₂ Mo ₂ O ₇	248-517-2	27546-07-2	Mono-Constituent Substance	Climax Molybdenum BV
6 Hexaammonium Heptamolybdate	Ammonium Heptamolybdate	(NH ₄) ₆ Mo ₇ O ₂₄ .XH ₂ O (NH ₄) ₆ Mo ₇ O ₂₄ .4H ₂ O	234-722-4 & 234-320-9	12027-67-7 & 12054-85-2	Mono-Constituent Substance	Climax Molybdenum BV
7 Tetraammonium Hexamolybdate	Ammonium Octamolybdate	(NH ₄) ₄ Mo ₈ O ₂₆ .5H ₂ O	235-650-6	12411-64-2	Mono-Constituent Substance	Climax Molybdenum BV
8 Iron, compound with molybdenum (2:3)	Ferromolybdenum, FeMo		304-589-8	94277-04-0	Special Preparation	Mo & Fe must be separately registered, not FeMo itself. See table below.
9 Slags, Ferromolybdenum	Ferromolybdenum Slags, FeMo Slags		282-217-2	84144-95-6	UVCB	Sadaci NV
10 Molybdenum Dioxide	Mo Dioxide	MoO ₂	242-637-9	18868-43-4	Mono-Constituent Substance	Chemiemetall AG
11 Calcium Molybdate	CaMo	CaMoO ₄	232-192-9	7789-82-4	Mono-Constituent Substance	5NPLUS Belgium
12 Diiron Trimolybdenum Dodecaoxide	Iron Molybdate	Fe ₂ Mo ₃ O ₁₂	237-389-3	13769-81-8	Mono-Constituent Substance	Süd-Chemie Catalysts Italia srl
13 Molybenum Sulfide	**Chemically-produced Molybdenum Disulfide	MoS ₂	235-721-1	12612-50-9	Mono-Constituent Substance	Grace GmbH

**This is not the naturally-occurring Molybdenum Disulfide which is exempt from REACH registration as per Annex 5 of the REACH Regulation (page 5, point 7).

*All the Lead Registrants have been nominated and elected by each respective SIEF.

For REACH registrations to cover Ferromolybdenum, the following substances must be registered:

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Molybdenum	Molybdenum Metal	Mo	231-107-2	7439-98-7	Mono-Constituent Substance	Plansee Metall GmbH
Iron (see Notes below)	Metallic Iron	Fe	231-096-4	7439-89-6	Mono-Constituent Substance	ArcelorMittal

Note for **Non-MoCon members**: The Iron dossier is available from the Iron Platform. Contact: www.iron-consortium.org

Note for MoCon members: The Iron dossier, in most instances, will be available to you via IMO/MoCons membership of the Iron Consortium