

## Molybdenum Consortium Substance Portfolio - January 2012

EC Substance Name	Synonyms	Formula	EINECS No.	CAS	Reach Substance Type	Lead Registrant*	
1	Molybdenum Sulfide (MoS <sub>2</sub> ), roasted	Roasted Molybdenite Concentrate, tech oxide, moly oxide technical grade, molybdic oxide	MoO <sub>3</sub> is the formula of the main component. Complex compound sintered. Composition is 80-90% (MoO <sub>3</sub> /Mo <sub>4</sub> O <sub>11</sub> /MoO <sub>2</sub> )	289-178-0	86089-09-0	UVCB	Sadaci NV
2	Molybdenum Trioxide	Molybdenum Trioxide (pure)	MoO <sub>3</sub>	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 <sub>2</sub> MoO <sub>4</sub> Na <sub>2</sub> MoO <sub>4</sub> ·2H <sub>2</sub> 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 <sub>4</sub> ) <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub>	248-517-2	27546-07-2	Mono-Constituent Substance	Climax Molybdenum BV
6	Hexaammonium Heptamolybdate	Ammonium Heptamolybdate	(NH <sub>4</sub> ) <sub>6</sub> Mo <sub>7</sub> O <sub>24</sub> ·XH <sub>2</sub> O (NH <sub>4</sub> ) <sub>6</sub> Mo <sub>7</sub> O <sub>24</sub> ·4H <sub>2</sub> 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 <sub>4</sub> ) <sub>4</sub> Mo <sub>8</sub> O <sub>26</sub> ·5H <sub>2</sub> 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 <sub>2</sub>	242-637-9	18868-43-4	Mono-Constituent Substance	Chemiemetall AG
11	Calcium Molybdate	CaMo	CaMoO <sub>4</sub>	232-192-9	7789-82-4	Mono-Constituent Substance	5NPlus Belgium
12	Diiron Trimolybdenum Dodecaoxide	Iron Molybdate	Fe <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub>	237-389-3	13769-81-8	Mono-Constituent Substance	Süd-Chemie Catalysts Italia srl

\*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](http://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

04/01/2012 REACH-IT Joint-Submission name per Substance.