

The Manganese REACH Consortium

Anne Tremblay
IMnI Secretary General

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Main Points Covered

- 1. A Word on the IMnI
- 2. The Consortium: Historical recall
- 3. Draft Substance List
- 4. Governing principles
- 5. Timeline

1. IMnI: The Mn Industry Association

- Founded in 1975 in Paris
- Membership is open to producers of Mn Ore, Alloys, EMM & EMD, chemical compounds, traders, industry service providers, and research institutes & universities
- Today IMnI has 65 members operating in some 30 countries around the world
- Staff of 4 in Paris (SG, OHES Manager, Market Analyst, Assistant) + a China Representative in Beijing

IMnI: The Mn Industry Association

Services offered, include:

- Quarterly & Annual Market Research Reports
- Information on other OHES issues
- Subscription to *Manganese Matters*, a twice-monthly news report on industry happenings
- Annual Conference: “the event” where the Mn industry meets each year to learn & network
- Yearly China Conferences
- and more ...

2. The Mn Consortium: Some History

Feb 2007: IMnI Board decides to form a Mn Consortium

Why a Mn REACH Consortium?

- Several Mn substances to register
 - Single consortium facilitates “intelligent testing” and read-across for all substances (mandatory SIEFs* are for single substances)
 - Avoids inconsistencies in data submitted to the Agency
 - Share costs (administration & studies) and workload
 - Reduced registration fees if in consortium
- * Substance Information Exchange Forum

2. The Mn Consortium: More History

- In June, 11 “Founder Member” companies agree to fund the consortium set-up and pre-consortium overheads (100.000 € each up front to cover Y1 costs)
- Team of Founder Member in-house legal counsels draft Consortium Agreement with help of an external law firm
- Provisional Steering Committee and Technical Working Group start work
- IMnI REACH Staff orders 1st studies needed, begins search for Project Manager and a partner lab for Master Service agreement

2. The Mn Consortium: Today

- Final Draft of Consortium Agreement to be presented to Steering Committee on November 11
- Consortium Agreement ready for signature by end of year, at latest
- Hunt for Consortium Project Manager continues
- Safepharma Laboratories chosen as our primary source of testing, studies & expertise (IMnI to sign a Master Service agreement with them)
- Reach Team in place – will add to, if necessary
- Substance list to be reviewed by TWG tomorrow

3. Draft Consortium Substance & Alloy List

Name		Formula	No.	HPV/LPV
Group I: Metallic - Mn and two alloys				
Manganese		Mn	1	HPV
ALLOYS	Ferromanganese	FeMn	2	HPV
	Silicomanganese	SiMn	3	HPV
Group II: Oxides group - 7 Mn containing compounds				
Manganese(II) oxide		MnO	4	HPV
Manganese(IV) oxide		MnO ₂	5	HPV
Manganese(II, III) oxide		Mn ₃ O ₄	6	HPV
Manganese(III) oxide		Mn ₂ O ₃	7	LPV
Mn ore sinter		Mixture: MnO, Mn ₂ O ₃ , Mn ₂ SiO ₄	8	LPV
Slags, FeMn manufacturing		Mixture of oxides	9	HPV
Slags, SiMn manufacturing		Mixture of oxides	10	HPV

Name	Formula	No	HPV
Group III: salts and other compounds – 7 salts			
Manganese (II) carbonate	MnCO_3	11	HPV
Manganese(II) sulphate	MnSO_4 (includes hydrated forms)	12	HPV
Manganese(II) nitrate	$\text{Mn}(\text{NO}_3)_2$	13	HPV
Manganese(II) chloride	MnCl_2 (includes hydrated forms)	14	LPV
Manganese(II) phosphate	$\text{Mn}(\text{H}_2\text{PO}_4)_2$	15	LPV
Manganese(II) acetate	$\text{Mn}(\text{CH}_3\text{COO})_2$	16	LPV
Manganese(II) silicate*	Mn_2SiO_4	17	LPV

* provisional

Name	Formula	No	HPV
Group III: salts and other compounds – 5 other compounds			
Manganese zinc oxide*	Mn_2ZnO_4	18	HPV
Manganese(II) sulphide*	MnS	19	LPV
Lithium manganate*	$LiMn_2O_4$	20	LPV
Lithium manganese phosphate*	$LiMnPO_4$	21	LPV
Lithium nickel manganese cobalt oxide*	$Li(NiMnCo)O_2$	22	LPV

* provisional

4. Consortium Principles

- To ensure REACH Registration for Mn & its compounds responsibly, on time and on budget
- Consortium open to all, including down-stream users
- IMnI to serve as the Secretariat and Trustee
- Management & Studies/Tests costs shared fairly on the basis of tonnage & turnover
- Yearly minimum contribution (50.000€)
- Late entrants pay a penalty

Late Entrant Penalty Fees i.e. “Advantage” Fees

- Late entrants to the consortium will pay an extra “Advantage” fee according to the following table:

Members who join during the second half of the first year	10%
Members who join during the second year	25%
Members who join during the third year	35%
Members who join thereafter	50%

5. Timeline

- Consortium Agreement ready for signature by end of 2007, at latest
- All companies should sign on before July 1, 2008 to avoid paying a penalty fee
- Pre-Registration of Substances: June 1 – November 30, 2008
- Registration:
 - Nov. 31, 2010 for HPV ($\geq 1.000T$)
 - June 1, 2013 for $\geq 100T$
 - May 31, 2018 for ≥ 1

Thank you!

Any Questions?