



# Vulcan Aluminum Mill

A PART OF Vulcan, Inc.

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January 11, 2012

To Whom This May Concern:

This letter certifies that products manufactured by the Vulcan Aluminum Mill are in compliant with:

European Union Directive 2002/95/EC—Restriction of Hazardous Substances (**RoHS**)

Registration, Evaluation, Authorisation and Restriction of **Chemical** substances (**REACH**)

Respectfully,

Mark Strobel  
Metallurgical / Quality Manager  
Vulcan Aluminum Mill  
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"AN EMPLOYEE OWNED COMPANY"

- Do supplied products (articles, preparations, or substances) contain any of the following substances in a concentration exceeding the Concentration Limit?
1. Place an "x" in the appropriate box for each listed substance indicating that the substance is contained above the Concentration Limit. If the response is Yes, provide the percent weight/concentration of each present substance.
  2. If an SVHC is contained above the Concentration Limit is given for a substance, the substance is not allowed.
  3. In the cases where no Concentration Limit is given for a substance, the substance is not allowed.
  4. If any of the Azocolourants, Carcinogens, Mutagens, Reproductive Toxins, or Tin Compounds from the tables in this spreadsheet are contained, indicate in the table below specifically which substances are present and its percent weight/concentration.
- NOTE:** One questionnaire can be completed for a group of products provided the substance status is the same.

Company Name: Vulcan Aluminum

Contact Person Name: Mark Strobel

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Email: marks@vulcaninc.com

Questionnaire Completion Date: 3/8/2012

**PRODUCT NAME / PRODUCT GROUP** (Please copy and complete a table for more products / product groups)

5052 aluminum sheet

Substance Name	CAS #	EC #	Substance List	Concentration Limit	Substance contained exceeds limit?		% Weight	Safe Use Document Included (if response is Yes)
					No	Yes		
Triethyl arsenate	15606-95-8	427-700-2	SVHC, current	<0.2%	X			
Anthracene	120-12-7	204-371-1	SVHC, current	<0.2%	X			
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4	SVHC, current	<0.2%	X			
Dibutyl phthalate (DBP)	84-74-2	201-557-4	SVHC, current; Annex 17	<0.1%	X			
Cobalt dichloride	7646-79-9	231-589-4	SVHC, current	<0.2%	X			
Diarsenic pentaoxide	1303-28-2	215-116-9	SVHC, current	<0.2%	X			
Diarsenic trioxide	1327-53-3	215-481-4	SVHC, current	<0.2%	X			
Sodium dichromate	7789-12-0	234-190-3	SVHC, current	<0.2%	X			
Sodium dichromate	10588-01-09	234-190-3	SVHC, current	<0.2%	X			
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	SVHC, current	<0.2%	X			
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	SVHC, current; Annex 17	<0.1%	X			
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified:	134237-50-6	247-148-4, 221-695-9	SVHC, current	<0.2%	X			
Alpha-hexabromocyclododecane	134237-50-6	247-148-4, 221-695-9	SVHC, current	<0.2%	X			
Beta-hexabromocyclododecane	134237-51-7	247-148-4, 221-695-9	SVHC, current	<0.2%	X			
Gamma-hexabromocyclododecane	134237-52-8	247-148-4, 221-695-9	SVHC, current	<0.2%	X			

Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	SVHC, current; Annex 17	<0.2%	X			
Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0	SVHC, current	<0.2%	X			
Lead hydrogen arsenate	7784-40-9	232-064-2	SVHC, current	<0.2%	X			
Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	SVHC, current; Annex 17	<0.1%	X			
2,4-Dinitrotoluene	121-14-2	204-450-0	SVHC, current	<0.2%	X			
Anthracene oil	90640-80-5	292-602-7	SVHC, current	<0.2%	X			
Anthracene oil, Anthracene Paste, Distn. Lights	91995-17-4	295-278-5	SVHC, current	<0.2%	X			
Anthracene oil, Anthracene Paste, Anthracene fraction	91995-15-2	295-275-9	SVHC, current	<0.2%	X			
Anthracene oil, Anthracene-low	90640-82-7	292-604-8	SVHC, current	<0.2%	X			
Anthracene oil, Anthracene Paste	90640-81-6	292-603-2	SVHC, current	<0.2%	X			
Diisobutyl phthalate	84-69-5	201-553-2	SVHC, current	<0.2%	X			
Aluminosilicate, Refractory Ceramic Fibres		(650-017-00-8*)	SVHC, current	<0.2%	X			
Zirconia Aluminosilicate, Refractory Ceramic Fibres		(650-017-00-8*)	SVHC, current	<0.2%	X			
Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	235-759-9	SVHC, current	<0.2%	X			
Lead chromate	7758-97-6	231-846-0	SVHC, current	<0.2%	X			
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7	SVHC, current	<0.2%	X			
Acrylamide	79-06-1	201-173-7	SVHC, current	<0.2%	X			
Tris(2-chloroethyl)phosphate	115-96-8	204-118-5	SVHC, current	<0.2%	X			
Coal tar pitch, high temperature	65996-93-2	266-028-2	SVHC, current	<0.2%	X			
Trichloroethylene	79-01-6	201-167-4	SVHC, proposed	<0.2%	X			
Boric Acid	10043-35-3	233-139-2	SVHC, proposed	<0.2%	X			
Boric Acid	11113-50-1	234-343-4	SVHC, proposed	<0.2%	X			
Disodium tetraborate, anhydrous	1330-43-4	215-540-4	SVHC, proposed	<0.2%	X			
Disodium tetraborate, anhydrous	12179-04-3	215-540-4	SVHC, proposed	<0.2%	X			
Disodium tetraborate, anhydrous	1303-96-4	215-540-4	SVHC, proposed	<0.2%	X			
Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3	SVHC, proposed	<0.2%	X			
Sodium chromate	7775-11-3	231-889-5	SVHC, proposed	<0.2%	X			
Potassium chromate	7789-00-6	232-140-5	SVHC, proposed	<0.2%	X			
Ammonium dichromate	7789-09-5	232-143-1	SVHC, proposed	<0.2%	X			
Potassium dichromate	7778-50-9	231-906-6	SVHC, proposed	<0.2%	X			
Chloro-1-ethylene	75-01-4	200-831-0	Annex 17	0	X			
Monomethyl — tetrachlorodiphenyl methane	76253-60-6	278-404-3	Annex 17	0	X			
Monomethyl-dibromo-diphenyl methane bromobenzylbromotoluene, mixture of isomers	99688-47-8		Annex 17	0	X			
1,1,1,2-Tetrachloroethane	630-20-6	200-925-1	Annex 17		X			Not applicable
1,1,2,2-Tetrachloroethane	79-34-5	201-197-8	Annex 17	<0.1%	X			Not applicable
1,1,2-Trichloroethane	79-00-5	201-166-9	Annex 17	<0.1%	X			Not applicable
1,1-dichloroethylene	75-35-4	200-864-0	Annex 17	<0.1%	X			Not applicable
2-(2-butoxyethoxy)ethanol (DEGBE)	112-34-5	203-961-6	Annex 17	<0.1%	X			Not applicable
2-(2-methoxyethoxy)ethanol	111-77-3	203-906-6	Annex 17	<0.1%	X			Not applicable

2-naphthylamine & salts	91-59-8	202-080-4	Annex 17	<0.1%	X				Not applicable
4-Aminobiphenyl xenylamine	92-67-1	202-177-1	Annex 17	<0.1%	X				Not applicable
4-nitrobiphenyl	92-93-3	202-204-7	Annex 17	<0.1%	X				Not applicable
Benzene	71-43-2	200-753-7	Annex 17		X				Not applicable
Benzidine & salts	92-87-5	202-199-1	Annex 17	<0.1%	X				Not applicable
Benzo(a)anthracene (BaA) (PAH)	56-55-3	200-280-6	Annex 17	<0.001% sum of all PAHs	X				Not applicable
Benzo(a)pyrene (BaP) (PAH)	50-32-8	200-028-5	Annex 17	<0.0001%	X				Not applicable
Benzo(b)fluoranthene (BbFA) (PAH)	205-99-2	205-911-9	Annex 17	<0.001% sum of all PAHs	X				Not applicable
Benzo(e)pyrene (BeP) (PAH)	192-97-2	205-892-7	Annex 17	<0.001% sum of all PAHs	X				Not applicable
Benzo(i)fluoranthene (BjFA) (PAH)	205-82-3	205-910-3	Annex 17	<0.001% sum of all PAHs	X				Not applicable
Benzo(k)fluoranthene(BkFA) (PAH)	207-08-9	205-916-6	Annex 17	<0.001% sum of all PAHs	X				Not applicable
Chrysen (CHR) (PAH)	218-01-9	205-923-4	Annex 17	<0.001% sum of all PAHs	X				Not applicable
Cadmium & cadmium compounds	7440-43-9	231-152-8	Annex 17	<0.1%	X				Not applicable
Chloroform	67-66-3	200-663-8	Annex 17	<0.1%	X				Not applicable
Cyclohexane	110-82-7	203-806-2	Annex 17	<0.1%	X				Not applicable
Di-"isononyl" phthalate (DINP)	28553-12-0	271-090-9	Annex 17	<0.1%	X				Not applicable
Di-"isononyl" phthalate (DINP)	68515-48-0	249-079-5	Annex 17	<0.1%	X				Not applicable
Di-"isodecyl" phthalate (DIDP)	26761-40-0	271-090-9	Annex 17	<0.1%	X				Not applicable
Di-"isodecyl" phthalate (DIDP)	68515-49-1	247-977-1	Annex 17	<0.1%	X				Not applicable
Dibenzof(a,h)anthracene (DBaHA)	53-70-3	271-091-4	Annex 17	<0.1%	X				Not applicable
Di-n-octyl phthalate (DNOP)	117-84-0	200-181-8	Annex 17	<0.1%	X				Not applicable
Di-μ-oxo-di-n-butylstanniohydroxyborane dibutyltin hydrogen borate	75113-37-0	204-214-7	Annex 17	<0.1%	X				Not applicable
Methylenediphenyl Diisocyanate	26447-40-5	401-040-5	Annex 17	<0.1%	X				Not applicable
Nickel & nickel compounds	7440-02-0	247-714-0	Annex 17	<0.1%	X				Not applicable
Nonylphenol	25154-52-3	231-111-4	Annex 17	<0.5 ug/cm <sup>2</sup>	X				Not applicable
Nonylphenol Ethoxylate		246-672-0	Annex 17	<0.1%	X				Not applicable
Octabromodiphenyl Ether			Annex 17	<0.1%	X				Not applicable
Pentabromodiphenyl Ether			Annex 17	<0.1%	X				Not applicable
Pentachloroethane	76-01-7	Annex 17	Annex 17	<0.1%	X				Not applicable
Pentachlorophenol & salts & esters	87-86-5	200-925-1	Annex 17	<0.1%	X				Not applicable
Perfluorooctane Sulfonates & salts & esters	87-86-5	201-778-6	Annex 17	<0.1%	X				Not applicable
Phenylmercuric Octanoate	13864-38-5	201-778-6	Annex 17	<0.005%	X				Not applicable
Phenylmercury Acetate	62-38-43	Annex 17	Annex 17		X				Not applicable
Phenylmercury Neodecanoate	26545-49-3	200-532-5	Annex 17		X				Not applicable
Phenylmercury Propionate	103-27-5	247-783-7	Annex 17		X				Not applicable
Polychlorinated Terphenyls (PCTS)		203-094-3	Annex 17		X				Not applicable
Toluene	108-88-3	Annex 17	Annex 17	<0.005%	X				Not applicable
		203-625-9	Annex 17	<0.1%	X				Not applicable

Trichlorobenzene; 1,2,4-	120-82-1	204-428-0	Annex 17		X				Not applicable
Trichlorobenzene									
Tributyltin compounds (TBT)	See Tin Compound tab	Various, List in table below	Annex 17	<0.1% of tin	X				Not applicable
Triphenyltin compounds (TPPT)	See Tin Compound tab	Various, List in table below	Annex 17	<0.1% of tin	X				Not applicable
Dibutyltin compounds (DBT)	See Tin Compound tab	Various, List in table below	Annex 17	<0.1% of tin	X				Not applicable
Diocetyl tin compounds (DOT)	See Tin Compound tab	Various, List in table below	Annex 17	<0.1% of tin	X				Not applicable
Azocolourants	See Azocolourant tab	Various, List in table below	Annex 17	<0.003%	X				Not applicable
Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B (Table 3.1) or carcinogen category 1 or 2 (Table 3.2) and listed	See Carcinogen tab	Various, List in table below	Annex 17		X				Not applicable
Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as germ cell mutagen category 1A or 1B (Table 3.1) or mutagen category 1 or 2 (Table 3.2) and listed	See Mutagen tab	Various, List in table below	Annex 17		X				Not applicable
Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as toxic to reproduction category 1A or 1B (Table 3.1) or toxic to reproduction category 1 or 2 (Table 3.2) and listed	See Reproductive Toxin tab	Various, List in table below	Annex 17		X				Not applicable

Azocolourants, Carcinogens, Mutagens, Reproductive Toxins, Tributyltin Compounds, Triphenyltin Compounds, Dibutyltin		
Substance Name	CAS #	Weight/ Concentration

