

**SURFACE COATING OPERATIONS  
AIR GENERAL PERMIT REGISTRATION FORM**

**Part II. Notification to Permitting Office**

(Detach and submit to appropriate permitting office; keep copy onsite)

**Instructions:** To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

**Registration Type**

**0112738-001**

Check one:

**INITIAL REGISTRATION** - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

**RE-REGISTRATION** (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

**Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only**

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): \_\_\_\_\_
- No air operation permits currently exist for this facility.

**General Facility Information**

**Facility Owner/Company Name** (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Luvata Electrofin, Inc.

**Site Name** (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Luvata Electrofin - Pompano Beach

**Facility Location** (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 1950 NW 15 Street Building B

City: Pompano Beach

County: Broward

Zip Code: 33069-

1602

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Facility Start-Up Date (Estimated start-up date of proposed **new** facility.)(N/A for existing facility)  
March 15, 2012

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**Owner/Authorized Representative**

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Mike Vandenburg, Regional Operations Manager, Luvata Electrofin, Inc.

Owner/Authorized Representative Mailing Address

Organization/Firm: Luvata Electrofin

Street Address: 1950 NW 15 Street Building B

City: Pompano Beach

County: Broward

Zip Code: 33069

Owner/Authorized Representative Telephone Numbers

Telephone: 813-689-4282, xt 22

Fax: 813-689-4630

Cell phone (optional): 502-550-5967

**Facility Contact (If different from Owner/Authorized Representative)**

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: SAME

Facility Contact Mailing Address

Organization/Firm: SAME

Street Address:

City:

County:

Zip Code:

Facility Contact Telephone Numbers

Telephone: SAME

Fax:

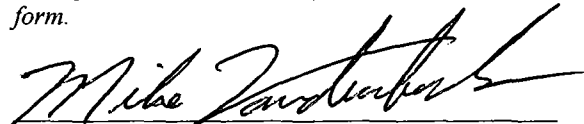
Cell phone (optional):

**Owner/Authorized Representative Statement**

This statement must be signed and dated by the person named above as owner or authorized representative

*I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.*

*I will promptly notify the Department of any changes to the information contained in this registration form.*

  
Signature

2-27-2012  
Date

**\* SEE ATTACHED E-MAIL & SPREADSHEET AS AN ADDENDUM TO THIS REGISTRATION DATED MARCH 23<sup>RD</sup> 2012**

**Material Usage Rates**

If this is an **initial registration** for a surface coating operation, provide an estimate of the average quantity of volatile organic compounds in all coatings (solvents and thinners) expected to be used on a daily basis.

See attached approved Broward County Surface Coatings Operation: Air Quality Review Form for daily usage VOC volumes (in gallons) and VOC content (in lbs/ gallon)

If this is a **re-registration** for an existing surface coating operation, provide the highest monthly average of the daily quantity of volatile organic compounds in all coatings (solvents and thinners) used in the last five years. Indicate the month and year during which this usage occurred.

Not Applicable

**Description of Facility**

Below, or as an attachment to this form, provide a description of the surface coating operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

See attachment describing new facility's surface coating operation.

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**\*APPENDUM TO #0112738-001  
PAGE 8, MATERIAL USAGE RATE  
INITIAL REGISTRATION**

Dibble, Dickson

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**From:** Fisher, Michael R. [MFisher@hsa-env.com]  
**Sent:** Friday, March 23, 2012 3:01 PM  
**To:** Dibble, Dickson  
**Cc:** Mike Vandebark  
**Subject:** Revised emission estimate for Surface Coatings Air General Permit application  
**Attachments:** Luvata Electrofin - Revised Emissions Estimate.docx

Hi Dick-

Thanks for speaking with me earlier today.

After looking over the previous emission estimate and discussing the Department's concerns regarding the surface coatings process with Luvata, we revised the emission estimate to include the cleaning compounds, to attach to the Air General permit application. The revised estimate is attached.

<<Luvata Electrofin - Revised Emissions Estimate.docx>>

Please advise at your convenience if additional information is needed to approve the permit. Thank you.

Regards,

**Mike Fisher, P.G.**

Senior Project Manager

P: (561) 688-9008    F: (561) 688-9005    C: (561) 289 1070

**HSA Engineers & Scientists** | [www.hsa-env.com](http://www.hsa-env.com)

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» INC Magazine: INC 5000 (2007, 2009, 2010, 2011)  
» Florida Trend Magazine Best Places to Work For: (2009, 2011)

» CE News Best Environmental Firms to Work For: (2008)  
» Zweig White Hot Firm: (2007, 2010)

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Support Documentation for Surface Coating Operation  
 Air General Permit pursuant to FDEP Rule 62-210.310(4)(c) F.A.C.

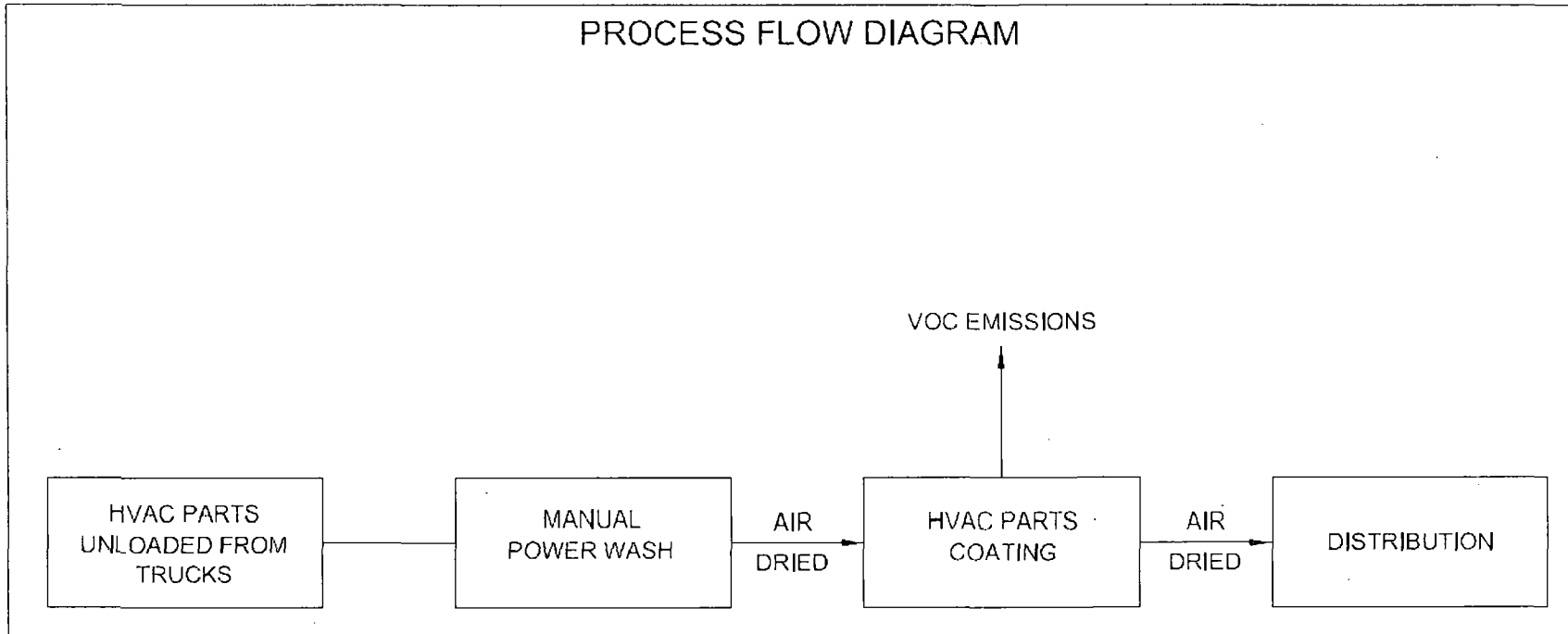
**EMISSIONS ESTIMATION**

It is estimated that this new facility applying for an Air General Permit for Surface Coating operation pursuant to FDEP Rule 62-210.310(4)(c) F.A.C. will use 700 gallons per month of the coatings and cleaning solutions listed below. It is estimated that the VOC emissions from the use of the coatings and cleaning solutions listed for the facility's surface coating operation will be 696 pounds per month, equivalent to a daily emission of 23.2 lbs. **Table 1**, below, provides the VOC contents of each product, calculation of the estimated monthly VOC emission, and the daily VOC emission. A Process Flow Diagram for the facility's planned Surface Coating operation is depicted in **Figure 2**

**Table 1**

Coatings & Cleaning Solutions	Description	VOC Content		Monthly Usage	Monthly VOC Emissions Maximum (Lbs.)
		Lbs/Gal With Water	Lbs/Gal Minus Water		
WRA-OC-021	Waterborne Insitu Clear	0.37	0.98	200 gallon	196.0
WRA-MC-002	Water Reducible ES2	0.39	1.00	500 gallon	500.0
KleanStrip	Acetone (EPA non-HAP)	NA	6.60	10 gallon	66.0
ArmaKleen	Aqueous, alkaline, low VOC cleaning solution	NA	0.12	30-gallons, re-circulating system (vendor: SafetyKleen)	3.6
Metalnox	Aqueous, alkaline, low VOC degreaser	0.02	0.23	15-gallons	0.3
<b>Estimated Total VOC Emissions (lbs/month)</b>					<b>765.90</b>
<b>Estimated Total VOC Emissions (lbs/day)</b>					<b>25.53</b>

Support Documentation for Surface Coating Operation  
Air General Permit pursuant to FDEP Rule 62-210.310(4)(c) F.A.C.







BROWARD COUNTY BOARD OF COUNTY COMMISSIONERS

**SURFACE COATING OPERATIONS: AIR QUALITY REVIEW FORM**

Company Name: Luvata Electrofin, Inc.

Mailing Address: 10225 Elizabeth Place, Tampa, FL 33619-804

Facility Address: 1950 NW 15th Street, Pompano Beach, FL 33069-1602

Applicant Name & Title: Mike Vandenberg, Operations Manager Phone: 813-689-4282 Fax: 813-689-4630

Existing Air License #: None Number of spray booths/spray areas: 1 Number of Spray Guns: 1

Type Coating Operation:  Automotive Repairs/Refinishing  New Automobile/Light Duty Truck  Can  Coil  
 Paper  Fabric  Vinyl  Metal Furniture  Large Appliances  Magnet Wire  Flat Wood Paneling  
 Wood Furniture Manufacturing  Miscellaneous Metal Parts  Other: \_\_\_\_\_

Facility hours of operation: 8 hours/day 5 days/week 50 weeks/year

Describe Facility Activities: The Facility will be involved in cleaning & metal coating (spray painting) of heating, ventilation and air conditioning (HVAC) equipment

List all products used containing volatile organic compounds (VOCs) for **proposed and existing** operations using information from Material Safety Data Sheets (MSDS) or Product Data Sheets. **Attach all copies of each product MSDS with this form.** Products should include all: *contact cements, adhesives, paints, primers, sealers, thinners, reducers, solvents, catalysts, resins, etc.*

Coating Product(s)	Amount Used (gal/day)	VOC Contents* (% or lb/gal)
Stainless Steel W/R Finish	20	0.39 lbs/gal
WB Clear	2.5	0.37 lbs/gal
Masstone Black HP	0.75lb	0
Stay Steel 316L	6lbs	0
KleanStrip (acetone)	1.5	6.6 lbs/gal
ArmaKleen	1.5 (recirc)	0.04 to 0.12 lbs/gal
Metalnox	0.75	0.235 lbs/gal

\* See MSDS or Product Information Data Sheet

**Certification**

I hereby certify that the above supplied information is accurate and complete. I further acknowledge that any change to the above facility description may require a new submittal of this form and review for air quality permitting.

Mike Vandenberg 2-24-12  
Owner's Signature Date

Phone: 813-689-4282 Fax: 813-689-4630  
Email: Mike.Vandenberg@luvata.com

FINANCIAL ACCOUNTING  
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**Official PPRAQ Use Only**

The results of the evaluation for this facility are as follows:

- Facility is eligible to operate under an Air General Permit per 62-210.310 F.A.C.
- Facility may be subject to RACT or NESHAPs (MACT) requirements and additional information will be required.
- A Surface Coating Operation General Permit will not be required based upon the following:
  - \_\_\_ Facility qualifies for F.A.C. categorical exemption and such operations are not subject to a VOC RACT requirement of Rule 62-296 F.A.C., in accordance with Rule 62-210.300(3)(a).
  - \_\_\_ VOC rate is below RACT threshold in accordance with Rule 62-296.500(3) F.A.C.

PPRAQ Reviewer: [Signature] Date: 2/24/12

Comments: General Permit Needed - still ok to proceed!

Please submit the completed form to the Pollution Prevention and Air Quality Division (PPRAQD) at 1 North University Drive, Suite 203, Plantation, FL 33324. You may contact the PPRAQD at 954-519-1260 should you have any questions.

Luvata ElectroFin, Inc. Pompano Beach Location Details

FLORIDA DEPARTMENT OF  
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The Facility will be involved in metal coating (spray painting) of heating, ventilation and air conditioning (HVAC) equipment. Figure 1 is an aerial photo depicting the facility location and immediate vicinity.

**PROCESS DESCRIPTION AND EQUIPMENT DETAILS**

The HVAC parts will be manually unloaded from the trucks. The parts will be power washed manually. The cleaned parts will then be air-dried and will be manually delivered to the spray booth for coating. The coating of HVAC equipment will be performed using a pressure fed AirPro HVLP Spray Gun. The HVAC equipment will then be loaded onto trucks for distribution.

**OPERATING SCHEDULE**

The maximum operating schedule for the Facility will be 24 hours per day, 7 days per week and 52 weeks per year. The average operating hours will be 8 hours per day, 5 days per week and 50 weeks per year.



FIGURE 1  
SITE LOCATION MAP



**EMISSIONS ESTIMATION**

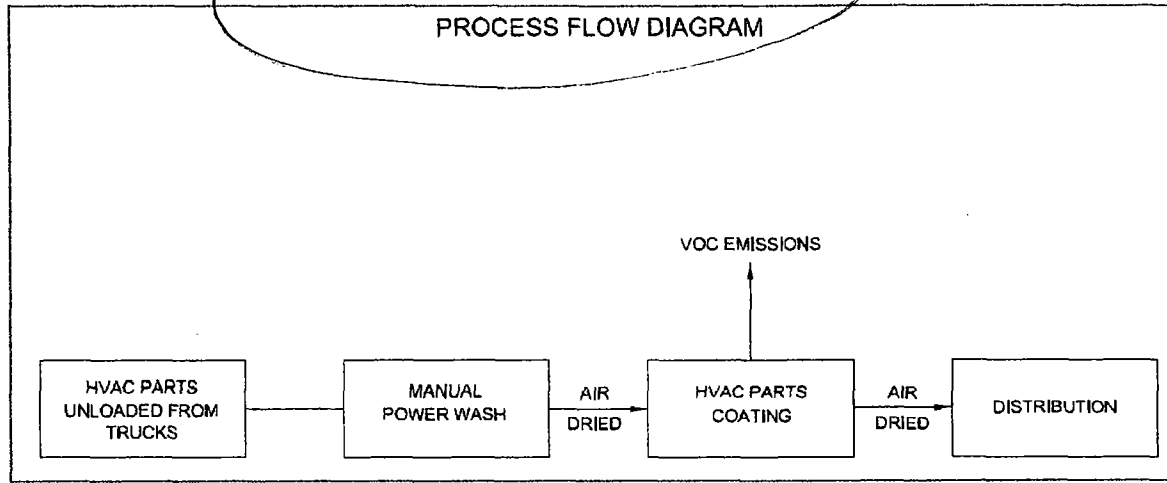
The Facility proposes to use 700 gallons per month of below coatings. The VOC emissions from the below coating usage are estimated to be 696 pounds per month and the emissions estimation is provided in **Table 1**, below. Process flow diagram is shown in Figure 2 depicting VOC Emission during the process.

**Table 1**

Coating	Description	VOC Content		Monthly Usage	Monthly VOC Emissions Maximum (Lbs.)
		Lbs/Gal With Water	Lbs/Gal Minus Water		
WRA-OC-021	Waterborne Insitu Clear	0.37	0.98	200 gallon	196.0
WRA-MC-002	Water Reducible ES2	0.39	1.00	500 gallon	500.0
<b>Total VOC Emissions (lbs/month)</b>					<b>696.00</b>

**FIGURE 2**

*NO CLEAN-UP MATERIALS*



*\* SEE ATTACHED ADDENDUM AS AN UPDATE TO THIS SPREAD SHEET.*

**COATINGS:**

**WRA-OC-021 Waterborne Insitu Clear Coating**

- On-site storage amount = 600 gallons
- Stored on spill containment pallets
- Container size = 5 gallon plastic pails
- Monthly usage = 50 gallons (49 lbs VOC)

**WRA-MC-002 Water Reducible Insitu ES2 Coating**

- On-Site storage amount = 20 gallons (Mixed as required)
- Stored on spill containment pallets
- Container size = 5 gallon plastic pails
- Monthly usage = 400 gallons (400 lbs VOC)

**COATING COMPONENTS:**

**Stainless Steel Ground Pigment**

- On-site storage amount = 200 pounds
- Stored on pallet
- Container size = 50 pound metal pails
- Monthly usage = 120 pounds

**Masstone Black Pigment**

- On-site storage amount = 45 pounds
- Stored on spill containment pallet
- Container size = 45 pound metal pail
- Monthly usage = 15 pounds

**CLEANER:**

**Metalnox M6314**

- Onsite storage amount = 110 gallons
- Stored on spill containment pallet

- Container size = 55 gallon plastic pails drum
- Monthly usage = 15 gallons (10% diluted mix with water when applied)

**WATER USAGE:**

Cleaning Process :

- 350 gal per day
  - 7.5 gal mixed 10% cleaner solution
  - 342.5 gal rinse water



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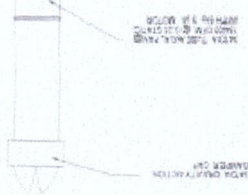
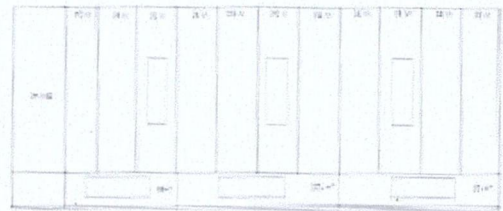
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REVENUE

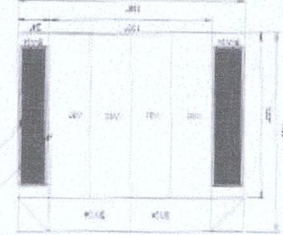
**ATTACHMENT A  
SPRAY BOOTH SPECIFICATIONS**

SEAL  
BLOCK ORANGE MANUFACTURING LTD  
1015 N. COLLEGE AVENUE, TORONTO, CANADA  
M6H 1K7  
TEL: (416) 778-7777  
FAX: (416) 778-7778  
E-MAIL: SALES@BLOCKORANGE.COM  
WWW.BLOCKORANGE.COM

RIGHT SIDE VIEW

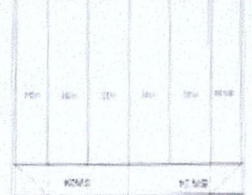


FRONT ELEVATION

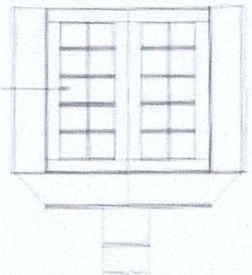


3.0mm CLEARANCE  
FROM OPERATION

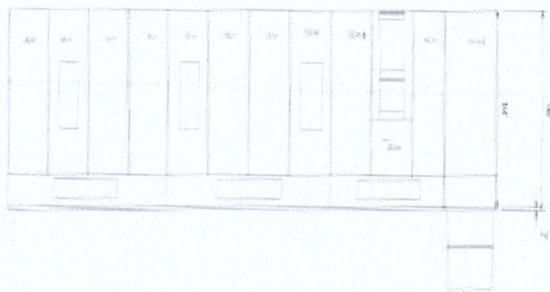
BACK VIEW



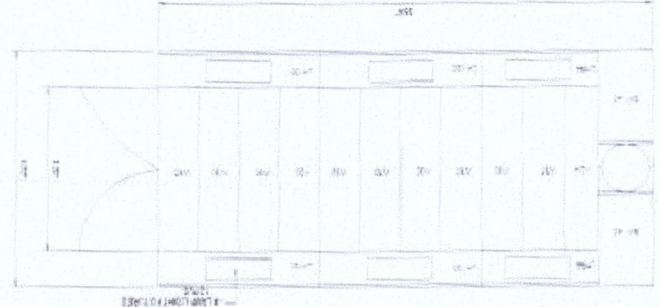
FRONT VIEW



LEFT SIDE VIEW



TOP VIEW





Spray Booth with Fire Suppression



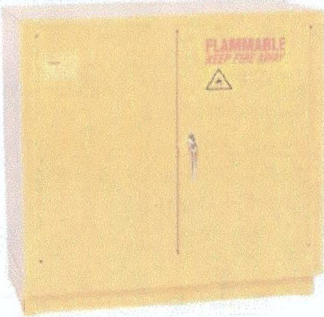
Wash Containment Area



Paint & Chemical Spill Containment Pallet



Flame Proof Cabinet



**ATTACHMENT B**  
**SPRAY BOOTH FILTER SPECIFICATIONS**

**PAINT ARRESTANCE FILTER TEST REPORT**  
**Spray Removal Efficiency & Paint Holding Capacity**

Tested for: **Superior Glass Fibers**  
 Filter Mfr.: **Superior**  
 Filter Name/Model: **PA-22**  
 Report#/Test#: **R 026 T 061**  
 Report Date: **Oct. 7, 1996**

**Test Information**

**FILTER DESCRIPTION:**

white fiberglass w/ thin blue fiberglass backing layer

**PAINT DESCRIPTION:**

High Solids Baking Enamel (S.W. #1 Permaclad 2400, red)

**PAINT SPRAY METHOD:**

Conventional Air Gun at 40 PSI

**SPRAY FEED RATE:**

**141 gr./min.      130 cc./min.**

**AIR VELOCITY:**

**150 FPM**

**Test Results**

**INITIAL PRESSURE DROP of Clean Test Filter**

**0.04 in. water**

**FINAL PRESSURE DROP of Loaded Test Filter**

**0.51 in. water**

**WEIGHT GAIN on TEST FILTER & Test Frame Trough**

**3275 grams**

**PAINT HOLDING CAPACITY of TEST FILTER**

**2185 grams = 4.8 lbs.**

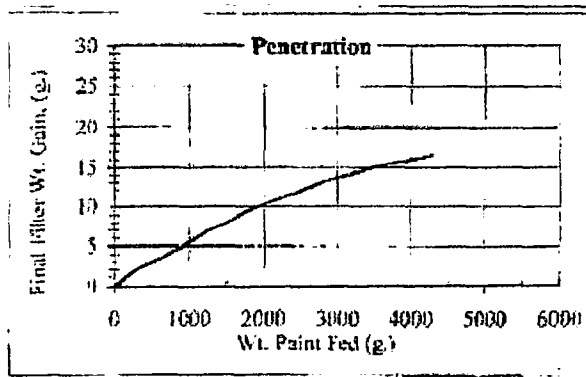
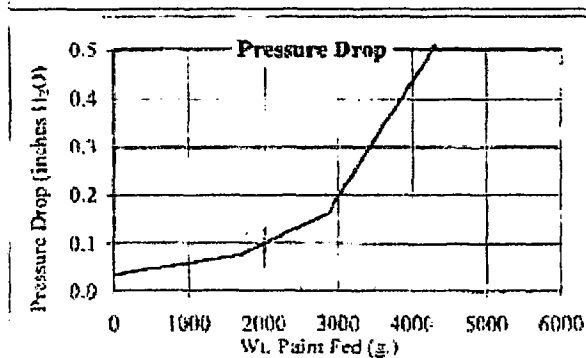
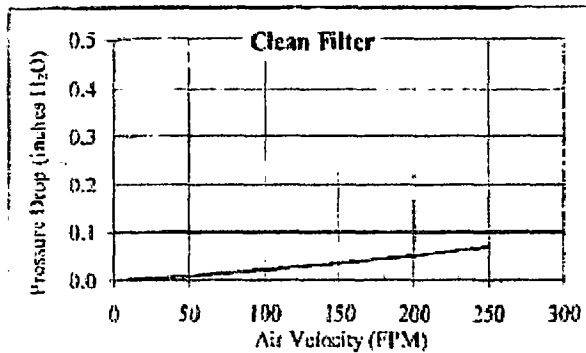
**PAINT RUN-OFF**

**1159 grams**

**WEIGHT GAIN - FINAL FILTER**

**18.6 grams = PENETRATION**

**AVERAGE REMOVAL EFFICIENCY of TEST FILTER**



**ATTACHMENT C**

**WRA-OC-021 CLEAR COATING MSDS**

**WRA-MC-002 STAINLESS COATING MSDS**

WRA-OC-021.TXT  
MATERIAL SAFETY DATA SHEET  
FOR COATINGS, RESINS AND RELATED MATERIALS  
DATE OF PREPARATION - 10/13/2008

PAGE #1

MANUFACTURER'S NAME : Luvala ElectroFin, Inc.  
ADDRESS : 1473 West Ormsby Avenue  
ADDRESS :  
ADDRESS :  
CITY, STATE : Louisville, Kentucky, 40210

EMERGENCY TELEPHONE NO. DAY: (502) 634-9458- NIGHT: (502) 634-9458-  
INFORMATION TELEPHONE NO. DAY: (502) 634-9458- NIGHT: (502) 634-9458-

-----  
SECTION I -- PRODUCT IDENTIFICATION  
-----

MANUFACTURER'S CODE IDENTIFICATION : WRA-OC-021

PRODUCT CLASS : Water

TRADE NAME : W.B.CLEAR

HMS INFORMATION : HEALTH : 02

FLAMMABILITY : 01

REACTIVITY : 01

PERSONAL PROTECTIVE EQUIPMENT : REFER TO "SECTION VIII"

-----  
SECTION II -- HAZARDOUS INGREDIENTS  
-----

---- INGREDIENT ----	CAS	%BY WEIGHT	ACGIH T.L.V.	OSHA P.E.L	SAR	NUIS
MATERIAL DESCRIPTION					313	PGMT
2-BUTOXYETHANOL	111-76-2	3.5331	25PPM	50PPM	Y	N

If indicated above; this material could constitute a personnel hazard.

If the CAS# field above starts with ## then this material is considered a trade secret.

-----  
SECTION III -- PHYSICAL DATA  
-----

LOWER EXPLOSION LEVEL		1.0 - 1.2		
BOTTLING RANGE	HIGH	343 DF	LOW	336 DF
VAPOR PRESSURE		0.88 MMHG @ 68DF		
VAPOR DENSITY		HEAVIER THAN AIR		
EVAPORATION RATE		SLOWER THAN BUTYL ACETATE		
WEIGHT PER GALLON		8.42		
% VOLATILE BY VOLUME		67.52		
% VOLATILE BY WEIGHT		65.44		
VOC	--- LBS/GAL	0.37	LBS/GAL	No water 0.98
	GRAMS/LITER	44.16	GRAMS/LITER	117.99

-----  
SECTION IV -- FIRE AND EXPLOSION DATA  
-----

MATERIAL SAFETY DATA SHEET

PAGE #2

MANUFACTURER'S CODE WRA-OC-021  
TRADE NAME W.B.CLEAR,

DATE OF PREPARATION 10/02/07

FLAMMABILITY CLASSIFICATION OSHA - CLASS III-B  
DOT - NOT REGULATED  
LOWEST FLASH POINT T.C.C. 201 DF

WRA-OC-021.TXT

LOWER EXPLOSION LEVEL (LEL) 1.1%  
Extinguishing Media: (No) - Foam (No) - Alcohol Foam (No) - CO2  
(No) - Dry Chemical (No) - Water Fog (No) - Other  
Unusual Fire and Explosion Hazards: - None  
Special Fire Fighting Procedures: - None

-----  
SECTION V -- HEALTH HAZARD DATA  
-----

To the best of our knowledge, this product does not  
contain any carcinogenic ingredients.  
Effects of Overexposure: - None  
Primary Route(s) of Entry: (No) - Dermal (No) - Inhalation  
(No) - Ingestion  
Emergency and First Aid Procedures: - None  
Medical Conditions Prone to Aggravation by Exposure:  
Pre-existing respiratory, eye and skin conditions.

-----  
SECTION VI -- REACTIVITY DATA  
-----

Stability: ( ) - Unstable (X) - Stable  
Hazardous Polymerization: ( ) - May Occur (X) - Will Not Occur  
Hazardous Decomposition Products: - None  
Conditions to Avoid: - None  
Incompatibility (Materials to Avoid): - None

-----  
SECTION VII -- SPILL OR LEAK PROCEDURES  
-----

Steps to be Taken in Case Material is Leaked or Spilled: - Shut off and eliminate  
leaks. Contain spill to prevent run-off to sewers, streams, and other bodies of  
water.  
Small spills can be cleaned up with sand or other absorbent material. Large spills  
must be reported to local agencies.  
Waste Disposal Method: - Dispose of this product in accordance with all applicable  
local, county, state, and federal regulations.

MATERIAL SAFETY DATA SHEET

PAGE #3

MANUFACTURER'S CODE WRA-OC-021  
TRADE NAME W.B.CLEAR,

DATE OF PREPARATION - 10/02/07

-----  
SECTION VIII SAFE HANDLING AND USE INFORMATION  
-----

Respiratory Protection: - None  
Ventilation: - None  
Protective Gloves: - None  
Eye Protection: - None  
Other Protective Equipment: - None  
Hygienic Practices: - Remove paint from skin contact after exposure.

-----  
SECTION IX -- SPECIAL PRECAUTIONS  
-----

Precautions to be Taken in Handling and Storing: - Keep from freezing.  
Other Precautions: - None

WRA-MC-002.txt  
MATERIAL SAFETY DATA SHEET  
FOR COATINGS, RESINS AND RELATED MATERIALS  
DATE OF PREPARATION - 10/13/2008

PAGE #1

MANUFACTURER'S NAME : Luvala ElectroFin, Inc.  
ADDRESS : 1423 West Ormsby Avenue  
ADDRESS :  
ADDRESS :  
CITY, STATE : Louisville, Kentucky, 40210

EMERGENCY TELEPHONE NO. DAY: (502) 634-9458- NIGHT: (502) 634-9458-  
INFORMATION TELEPHONE NO. DAY: (502) 634-9458- NIGHT: (502) 634-9458-

-----  
SECTION I -- PRODUCT IDENTIFICATION  
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MANUFACTURER'S CODE IDENTIFICATION : WRA-MC-002  
PRODUCT CLASS : Water Reducible  
TRADE NAME : STAINLESS STEEL W/R FINISH  
HMIS INFORMATION : HEALTH : 02  
FLAMMABILITY : 01  
REACTIVITY : 01  
PERSONAL PROTECTIVE EQUIPMENT : REFER TO "SECTION VIII"

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SECTION II -- HAZARDOUS INGREDIENTS  
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----- INGREDIENT -----		%BY	ACGIH	OSHA	SAR	NUIS
MATERIAL DESCRIPTION	Cas	WEIGHT	T.L.V.	P.E.L	313	PGMT
Chromium III*	7440-47-3	15.282	.5 MG/M3	1 MG/M3	Y	Y
NICKEL*	7440-07-0	11.886	1 MG/M3	.5 MG/M3	Y	Y
2-Butoxyethanol	111-76-2	3.280	25PPM	50PPM	Y	N

If indicated above; this material could constitute a personnel hazard.

If the CAS# field above starts with ## then this material is considered a trade secret.

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SECTION III -- PHYSICAL DATA  
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LOWER EXPLOSION LEVEL	1.0 - 1.2
BOILING RANGE	HIGH 0 DF LOW 999.9 DF
VAPOR PRESSURE	0.00 MMHG @ 68DF
VAPOR DENSITY	N/A
EVAPORATION RATE	N/A
WEIGHT PER GALLON	9.14
VOLATILE BY VOLUME	65.94
	VOLATILE BY WEIGHT 59.67
VOC --- LBS/GAL	0.39 LBS/GAL Excluding Exempt 1.00
GRAMS/LITER	46.78 Excluding Exempt 119.95

MATERIAL SAFETY DATA SHEET

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MANUFACTURER'S CODE WRA-MC-002 DATE OF PREPARATION - 11/19/09  
TRADE NAME STAINLESS STEEL W/R FINISH,

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SECTION IV -- FURTHER AND EXPLOSION DATA  
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WRA-MC-002.txt

FLAMMABILITY CLASSIFICATION OSHA - CLASS III-B  
DOF - NOT REGULATED  
LOWEST FLASH POINT T.C.C. 201 DF  
LOWER EXPLOSTON LEVEL (H) N/A%  
Extinguishing Media: (No) - Foam (No) - Alchohol Foam (No) - CO2  
(No) - Dry Chemical (No) - Water Fog (No) - Other  
Unusual Fire and Explosion Hazards: - None  
Special Fire Fighting Procedures: - None

SECTION V -- HEALTH HAZARD DATA

\*This product contains chemicals that have been known to cause cancer.  
Primary Route(s) of Entry: Dermal, Inhalation, & Ingestion  
Emergency and First Aid Procedures: - None  
Medical Conditions Prone to Aggravation by Exposure:  
Pre-existing respiratory, eye and skin conditions.

SECTION VI -- REACTIVITY DATA

Stability: ( ) - Unstable (X) - Stable  
Hazardous Polymerization: ( ) - May Occur (X) - Will Not Occur  
Hazardous Decomposition Products: - None  
Conditions to Avoid: - None  
Incompatibility (Materials to Avoid): - None

SECTION VII -- SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Leaked or Spilled: - Shut off and eliminate leaks. Contain spill to prevent run-off to sewers, streams, and other bodies of water.  
Small spills can be cleaned up with sand or other absorbent material. Large spills must be reported to local agencies.  
Waste Disposal Method: - Dispose of this product in accordance with all applicable local, county, state, and federal regulations.

MATERIAL SAFETY DATA SHEET

PAGE #3

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SECTION VIII -- SAFE HANDLING AND USE INFORMATION

Respiratory Protection: A respiratory protection program that meets OSHA's CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever work place conditions warrant a respirators use. Use personal protective equipment as required. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  
Ventilation: - Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas.  
Protective Gloves: - Appropriate chemical resistant gloves should be worn.  
Eye Protection: - Wear safety glasses or goggles to protect against exposure.  
Hygienic Practices: - Remove paint from skin contact after exposure.

SECTION IX SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing: - Keep from freezing.