

**DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection**

N533943495

FACILITY: March Coatings Plant 2	SRN / ID: N5339
LOCATION: 1279 RICKETT RD, BRIGHTON	DISTRICT: Lansing
CITY: BRIGHTON	COUNTY: LIVINGSTON
CONTACT: Mark Tomasik , VP of QA and E, H & S	ACTIVITY DATE: 02/26/2018
STAFF: Kelly Richart	COMPLIANCE STATUS: Compliance
	SOURCE CLASS: SM OPT OUT
SUBJECT: On 2/26/2018, the Air Quality Division (AQD) conducted a scheduled unannounced inspection of March Coatings Plant 2 as a Partial Compliance Evaluation (PCE) activity, part of a Full Compliance Evaluation (FCE). A review of facility recordkeeping was also conducted, as a second PCE activity.	
RESOLVED COMPLAINTS:	

Contacts

Mark Tomasik, VP of Quality Assurance and EHS: mtomasik@marchcoatings.com
 Steve March, CEO, smarch@marchcoatings.com

Plant Operations

March Coatings Plant 2 applies coatings to metal automotive parts, such as brake rotors and ball studs. They apply less than a dozen coatings to metal parts and then ship them back to the automotive companies to assemble the pieces. March Coatings Plant 2 was originally classified as a rule 208a source, however after the rescission of Rule 208a they were classified as a true minor source (verified by Dan McGeen in 2015 and Michelle Luplow/me in February 2018). Its status will be changed to a true minor source on October 1, 2018, as their status was unclear at the beginning of Fiscal Year 2018.

Purpose

On 2/26/2018, the Air Quality Division (AQD) conducted an unannounced scheduled inspection of March Coatings Plant 2 as a Partial Compliance Evaluation (PCE) activity, part of a Full Compliance Evaluation (FCE). A review of facility recordkeeping was also conducted, as a second PCE activity. The time and date for this meeting was not arranged prior to this inspection.

Permits/Exemptions

PTI 461-94A
 PTI 359-00 (general permit)
 Exemption 278 (c): replacing their powder booth line with their dip and spin lines

Arrival

On 2/26/18 Michelle Luplow accompanied me to the March Coatings Plant 2 inspection. We arrived at 9:40am. Weather conditions were 38°F and sunny. No visible emissions or odors were detected outside of Plant 2. We were greeted by Steve March, the CEO of March Coatings, and additionally met with Mark Tomasik, the VP of Quality Assurance and EHS. We provided them with the Permit to Install Exempt Handbook and the Hazardous Waste Brochure. Both Steve March and Mark Tomasik assisted us during our inspection. We received a tour of the facility and then sat down in a conference room to discuss the details of their permits and inspection.

Emission Units:

Emission Unit	Emission Unit Description	Controls	PTI or Rule No.	Permitted Limits	Inspection Notes
Line 1 (EU-PAINTLINE1) was called Jensen line	Booth 1 with HVLP gun, and Booth 2 with HVLP gun; one water-based coating and one solvent-based; 5-stage washer serving Booths 1 and 2; Jensen line two zone monorail curing oven- gas	Spray booths have dry filters	Permit # 461-94A	7.4lbs/hr VOC, 9.7 TPY VOC (limits for line 1 and line 2 combined)	Filters didn't cover all surface- need to update. One solvent & one water based. Jensen curing oven
Line 2 (EU-PAINTLINE2) was called Jensen line	Booth 1 robotic prototype line with HVLP gun; robotic line served by 5-stage washer; Grieve electric curing oven, Despatch gas curing oven	Spray booths have dry filters	Permit # 461-94A	7.4lbs/hr VOC, 9.7 TPY VOC (limits for line 1 and line 2 combined)	Use robotic prototype for samples- need to update filters.

5-Stage Washer	5-stage pretreatment system for cleaning and prepping metal parts	Overhead conveyor	Permit # 461-94A	9.7 TPY VOC	Overhead conveyor, industrial soap- water based/alkaline, only use 2 stages at a time
EU-PAINTLINE3	Sprimag line/Line 3; turn table instead of chain, with HVLP guns, served by 5-stage washer, shares Jensen curing oven	Spray booth has dry filters	359-00 General Permit	10 TPY VOC, 20% opacity	Sprimag turn table, uses 1 coating, not running during inspection.

EU-PAINTLINE 1 (Line 1), PTI No. 461-94A

Line 1, Booths 1 and 2, have been known as a process called the Jensen line. The two coating booths have High Volume Low Pressure (HVLP) guns. One booth uses a water-based coating and one uses a solvent-based coating. During this inspection, Line 1 was coating brake rotors.

EU-PAINTLINE 2 (Line 2), PTI No. 461-94A

Line 2, Booth 1 and 2, were also part of the Jensen line. Booth 1 is a robotic (HVLP gun) coating process, used to coat prototypes for samples, which was not running at the time of inspection. This prototype had 6 filters: 1 missing, 2 peeling off and 3 that were in decent shape. We informed both Mark Tomasik and Steve March about this issue and they agreed to fix them. Since this prototype wasn't running, this technically wasn't a violation. They claimed that once the ventilation system is running, the filters get pulled upwards, so they cover the surface area.

5-STAGE WASHER PTI No. 461-94A

The 5-stage parts washer services Booths 1 and 2 for Line 1, the robotic prototype line, Line 3, but not the dip and spin line. The parts washer uses an overhead conveyor, and industrial water-based/alkaline soaps. Only 2 stages operate at a time in case of contamination.

EU-PAINTLINE 3 (Line 3), PTI 359-00

Line 3, also known as the Sprimag line, is a turn table instead of a chain conveyor used to transport the metal parts. It is located by Line 1. It is served by the 5-stage parts washer and shares the Jensen curing oven. The Sprimag line was not running during this inspection.

OTHER: DINAMEC, PTI No. 461-94A, PTI No. 80-03

The Dinamic fluidized bed of sand has been relocated to Plant 1 (under PTI No. 80-03). We briefly discussed its 'out of compliance' status with Mark Tomasik as he brought up the issue.

DIP & SPIN LINE, Exemption Rule 287 (c)

Booth 2 has 2 robotic dip and spin lines. Each robot has 2 dip and spins systems. During inspection these dip and spin lines were coating ball studs. On March 29th, 2018 March Coatings provided data to verify the exemption used to replace the powder coating line with the dip and spin line: exemption Rule 287 (c). See attached for the 12- month rolling data sheets containing coating usage per month, for the past 2 years. All monthly records are under the 200 gallon limit.

Emission Unit	Emission Unit Description	Controls	PTI or Rule No.	Permitted Limits	Inspection Notes
Dip and Spin Line	Two robotic dip and spin lines for coating process.	N/A	287(c)	coating use < 200 gal (minus water)/month, dry filters, 2 year records	For Booth 2, each robot has 2 dip and spin

Recordkeeping

March Coatings has provided the following information, (see attached):

- Line 1: One Technical Data Sheets for only used coating for Line 1- Aquacron 488 Series Water Reducible Alkyd Enamels, and 12-month rolling summary with coating gallon totals, and VOC totals.
- Line 2: Five technical data sheets for their coatings: B09JA, D90M, B18, PLUS ML (PLS1279), and GEOMET 321 (GMT1120, GMT1121, GMT1122)
- Sprimag/Line 3: One technical Data Sheet for their only coating used- B09H, and 12-month rolling summary with coating gallon totals, and VOC totals.
- Safety Data Sheet for their solvent: PCBTB: Parachlorobenzotrifluoride

PTI No. 461-94A limits VOC emissions from Line 1 and Line 2 to 9.7 tons per year (TPY). In March 2017 – February 2018, actual estimated VOC emissions from this line were 0.04 tons, well within the limit.

General Permit to Install No. 359-00 limits VOC emissions from Line 3, the Sprimag line, to 10 TPY. In the 12-month rolling period of March 2017 – February 2018, the estimated VOC emissions from this line were 1.2 tons.

General Permit to Install No. 359-00 limits the VOC total for the combination of all coating lines and all associated purge and clean-up emissions to 30 TPY, actual total emissions for the 12-month rolling period of March 2017-February 2018 were 1.2 tons, well within this limit.

General Permit to Install No. 359-00 limits VOC totals to 2000 lbs/month. After reviewing the 12-month period of March 2017-February 2018, each monthly VOC total was well under the 2000 lb limit. For reference, March 2017 was the highest VOC emitting month within that period, with a total of only 302.4 lb/month, still well below the 2000 lb limit.

Summary

March Coatings Plant 2 appears to be in compliance with its air use permits and under all limits of VOC emissions. Mark Tomasik provided us copies of facility recordkeeping (from March 2017 - February 2018) for the coatings used, 12-month rolling Volatile Organic Compound (VOC) emissions, and solvent used within the facility (see attached).

Regarding their inspection, our only comments were that they will need to update their filters. The filter material did not completely cover the appropriate surfaces in their facilities. We informed Steve March and Mark Tomasik about this issue and they seemed to understand and informed us that they will update their filters. Since these areas were not operating at the time of inspection their filters technically were not a violation.

On March 8th, 2018 we sent March Coatings a 278 letter to verify the exemption used to replace their powder booth with their dip and spin lines. March Coatings was not aware of the specific exemption used for this replacement when asked during the inspection. On March 27th, 2018 I received an email from Mark Tomasik with an attached letter response to the AQD 278 letter. March Coatings will use exemption 278 (c) for the replacement of their powder booth with their dip and spin lines. March Coatings provided data sheets supporting their compliance with exemption 278(c) parts i, ii, iii.

With regards to PTI No. 359-00 Special Condition B. Testing #2, we requested that March Coatings submit a request for the AQD's approval to use the manufacturer's formulation data in lieu of Method 24 analyses for all coatings used under the Sprimag line. On February 28th, 2018 March Coatings submitted this request via email. We are currently working on sending the approval letter.

On a related but separate note, Mark Tomasik wanted to discuss the Plant 1 compliance issue regarding the temperature probe and chart recorder for their fluidized bed of sand and some other recordkeeping items. March Coatings will most likely need to start the process of modifying their PTI No. 80-03 to resolve the Plant 1 violations.

Departure

At 11:30am Michelle and I left the facility as we had completed the inspection and concluded our discussions with Steve March and Mark Tomasik. The weather conditions were sunny and 42°F. We still did not detect any visible emissions or odors from Plant 2.

NAME Kelley Rindt

DATE 3/28/18

SUPERVISOR B.M.



DEPARTMENT OF ENVIRONMENTAL QUALITY

AIR QUALITY DIVISION

FCE Summary Report

Facility : March Coatings Plant 2	SRN : N5339
Location : 1279 RICKETT RD	District : Lansing
	County : LIVINGSTON
City : BRIGHTON State: MI Zip Code : 48116	Compliance Status : Compliance
Source Class : SM OPT OUT	Staff : Kelly Richart
FCE Begin Date : 2/27/2017	FCE Completion Date : 3/8/2018
Comments :	

List of Partial Compliance Evaluations :

Activity Date	Activity Type	Compliance Status	Comments
02/28/2018	Reg. Applicability Determination	Compliance	March Coatings Potential to Emit Calculations/Demonstration: Verifying True Minor Source
02/26/2018	Scheduled Inspection	Compliance	On 2/26/2018, the Air Quality Division (AQD) conducted an unscheduled inspection of March Coatings Plant 2 as a Partial Compliance Evaluation (PCE) activity, part of a Full Compliance Evaluation (FCE). A review of facility recordkeeping was also conducted, as a second PCE activity. The time and date for this meeting was not arranged prior to this inspection.

Name: Kelly Richart Date: 3/8/18 Supervisor: R.M.



Line 1

AQUACRON™

488 Series

Water-Reducible Alkyd Enamel

Product Data Sheet

Substrates (Direct)

- Cold rolled steel
- Hot rolled steel

Substrates (Over primer)

- Blasted steel
- Aluminum

Suggested Primers

- Aquacron 833 Series
- Aquacron 835 Series
- Aquacron 447-9303 Series
- Aquacron 8135 Series

End Use Markets

- Trailers
- Metal fabrication
- Industrial machinery
- Custom coaters
- Agricultural equipment
- Metal doors and frames

Product Codes

- MV488-1 White
- MV488-9 Black
- Custom Colors

AQUACRON™ 488 Series Water Reducible Alkyd Enamels are fast drying interior/exterior enamels intended for industrial use on bare or primed metal surfaces. This product allows you to create a smooth finish with excellent flow and leveling.

Product Highlights

- Fast drying
- Good exterior durability
- Tap water reduction and clean-up
- No recoat window
- No reportable HAPS
- VOC < 2.80 lbs./gal. (336 g/L)

Physical Properties

Property	Value
Solids % by weight	29.9 – 42.0
Solids % by volume	26.5 – 28.5
Weight / Gallon	8.4 – 10.20 lbs./gal. (1008 – 1224 g/L)
Coverage @ 1 mil, 100% TE	425 – 458 ft. ² /gal. (39 – 43 m ² /3.785L)
60° Gloss	90
Package viscosity	30 – 40" Zahn #3 Cup
VOC (less water)	2.8 lbs./gal. (336 g/L)
Shelf life	9 months

Performance Properties

Test	Result*
Pencil hardness	HB – F
Conical mandrel (1/8")	Pass
Adhesion	5B, excellent
Salt Spray	150 hours
Humidity	150 hours

*results obtained over iron phosphate CRS panels



Line 1

AQUACRON™ 488 Series

Water-Reducible Alkyd Enamel

Substrate Protection

The surface must be clean and free of all surface contamination. A chemical pretreatment such as PPG Chemfos® KA Cleaner/Coater or a similar conversion coating will improve the performance properties of the coating system. See your PPG Representative for recommendations.

Cure Schedule

Paint film is not fully cured for 7 days. Drying time listed may vary, depending upon film build, color selection, temperature, humidity and degree of air movement.

Physical Properties

Air Dry Times¹

To Touch	30 min.
----------	---------

To Handle	1 – 2 hrs.
-----------	------------

To Topcoat	1 hour
------------	--------

Force Dry Times

Flash Time	10 min. (ambient)
------------	-------------------

Temperature	150 – 220°F (66 – 104°C)
-------------	-----------------------------

Time at Temperature	15 – 30 min.
---------------------	--------------

Mix Directions

Reduction	Water, up to 10% if needed
Line/Flush Clean Up	Soap and water, TFA880-70 or MV389C

Application

Equipment	Conventional, HVLP, air-assisted airless, airless
Recommended Wet Film Build	3.5 – 4.0 mils 89 – 102 microns
Recommended Dry Film Build	1.0 – 1.3 mils 25 – 30 microns

Additional Information

In-Service Temperature: 120° (49°C)

Do not apply at temperatures below 50° (10°C)

Protect from freezing

Not recommended for use on galvanized, Galvaneal or zinc rich surfaces

Footnotes

1. Excess film thickness will retard dry times and affect the recoat window. Do not apply at temperatures below 50°F (10°C).

The technical data presented is information believed by PPG to be currently accurate; however, no guarantee of accuracy, comprehensiveness or performance is given or implied. Continuous improvements in coating technology may cause future technical data to vary from what is in this document. Product is intended for application by trained personnel in a factory or shop application. Do not attempt to use product without the current Safety Data Sheet. The performance of a product can fluctuate due to surface preparation technique, method of application, operating conditions, the material it is applied to or with, and use. It is strongly recommended that products be tested with respect to these factors prior to full scale use.

Rev. 12/16

Aquacron is a trademark and PPG TrueFinish, Chemfos and the PPG logo are registered trademarks of PPG Industries, Inc. ©2016 PPG Industries, Inc. All Rights Reserved.



PPG TRUEFINISH® Industrial Coatings, One PPG Place Pittsburgh, PA 15272, 1.866.PPG.TRUE



Line 1

12 Month Summary For Device: Line 1

Permit 461-94A

Month	Paint code	Total Gallons	Additive Volume	Total #VOC
2018-01	aquacron 488	11	0	30.8
2018-02	aquacron 488	6	0	16.8
2017-03		0	0	0
2017-04		0	0	0
2017-05	aquacron 488	13.5	0	37.8
2017-06		0	0	0
2017-07		0	0	0
2017-08		0	0	0
2017-09		0	0	0
2017-10		0	0	0
2017-11		0	0	0
2017-12		0	0	0

Device Total 30.5 0 85.4

Tons 0.04

Line 2: dip & spin



160 Summit Street • Brighton, MI 48116-2419 • phone (810) 229-6464 • fax (810) 229-5450

Our Name Defines Quality

3/27/2018

Ms. Kelly Richart
Environmental Quality analysts
Department of Environmental Quality

RE: SRN: N5339 Letter dated March 8, 2018

Kelly:

Line 2 is our rack dip spin line. This line was installed in the spring of 2013 and reviewed by the DEQ Air Quality division on 8/1/2013.

We installed 2 dip spin stages. The first stages are for basecoat and the second stages are for topcoat. These stages replaced existing spray stages.

After the review of the permit to install exemption handbook R336.1287 Rule 287 (C) March Coatings is exempt from the PTI.

- (i) The coating rate is less than 200 gallons a month as applied. March Coatings has averaged 31 gallons a month
- (ii) Any exhaust system that serves only coating spray equipment is supplied with a dry filter or water wash control. March Coatings line is a rack dip spin so there is no spray or filtration required.
- (iii) Monthly coating records maintained and on file for the most recent 2 years- March Coatings maintains all the coating records and are on file these records have also been filed annually using the MAERS reporting system

Please let me know if you need any more information.

Respectfully Submitted,

March Coatings, Inc.

Mark Tomasik
Vice President of Environmental, Health & Safety

*see attached: last 2 year monthly usage, all under 200 gal



Printed on Recycled Paper



Line 2

12 Month Summary For Device: Line 2

Permit 461-94A

DIP SPIN LINE

Month	tank 1		tank 2		Device total gallons	Device total # VOC
	Total Gallons	Total #VOC	Total Gallons	Total #VOC		
2018-01	45	225	25	141	70	366
2018-02	54	279	5	28.2	82.2	298.2
2017-03	24	120	16	86.4	40	206.4
2017-04	16.5	82.5	9	48.6	25.5	131.1
2017-05	18	90	25	135	43	225
2017-06	24.5	122.5	5	27	29.5	149.5
2017-07	20	100	0.5	2.7	20.5	102.7
2017-08	21	105	3	16.2	24	121.2
2017-09	25	125	2	10.8	27	135.8
2017-10	35	175	5	27	40	202
2017-11	13.5	67.5	3	16.2	16.5	83.7
2017-12	58.5	292.5	58	313.2	116.5	605.7
Device Tot:	355	1775	156.5	852.3	534.7	2627.3

LINE 2

12 Month Summary For Device: Line 2

Permit 461-94A

Month	Dip Spin Line				Device total gallons	Device total # VOC
	tank 1 Total Gallons	Total #VOC	tank 2 Total Gallons	Total #VOC		
2016-01	5	25	5	28.2	10	53.2
2016-02	7	35	5	28.2	12	63.2
2016-03	13	65	10	56.4	23	121.4
2016-04	12	60	10	56.4	22	116.4
2016-05	22.5	112.5	10	56.4	32.5	68.9
2016-06	33.5	167.5	5	28.2	38.5	195.7
2016-07	18	90	5	28.2	23	118.2
2016-08	40.5	202.5	10	56.4	50.5	258.9
2016-09	27	135	15	84.6	42	219.6
2016-10	22	110	10	56.4	32	166.4
2016-11	36	180	5	28.2	41	208.2
2016-12	3	5	2	11.3	5	16.3
Device Total	239.5	1187.5	92	518.9	331.5	1606.4

Tons 0.8



2771 Hammond, Detroit, MI 48209
Phone: (313) 843-7855 Fax: (313) 842-6730

Technical Data Sheet

Product Code: B06JA

Color: Silver

Revision Date: 05/04/17

% Weight Solids: 60.00% Minimum

% Volume Solids: 28.90% Minimum

Lbs/Gallon (g/cm³): 12.6 (1.51) Minimum

Viscosity @ 80 °F (27 °C): 60 to 80 seconds

Viscosity Cup: Zahn EZ #2

Dry Film Density: 3.4

Substrate: Steel fasteners

Application: Dip/drain

Dip/spin

Spray

Pretreatment: Shot blast

Zinc phosphate

Reducing solvents: SC 150

Bake Schedule: 15 - 20 minutes at 480 - 520 F

This schedule is a general guideline only; please contact Magni Technical Service for more information.

Coating Weight: 43 g/m² @ 0.5 mils (33.9 g/m² @ 10 microns)

Theoretical Coverage: 460 to 490 ft²/gallon @ 1 mil

29 to 31 m²/l @ 10 microns

VOC (per EPA Method 24): 4.80 to 5.00 lbs/gallon

575 to 599 g/l

Shelf-life (months): 6 When stored @ ambient temperature and properly mixed.

If product is greater than 6 months old but less than 5 years, please mix well and recertify. Otherwise, dispose.

Original Date: 08/19/96

Prepared By: PB

Line 2



Technical Data Sheet

Product Code: D90M **Color:** Silver

Revision Date: 09/17/13

% Weight Solids: 55.00% Minimum

% Volume Solids: 28.00% Minimum

Lbs/Gallon (g/cm³): 11 (1.32) Minimum

Viscosity @ 80 °F (27 °C): 45 to 65 seconds

Viscosity Cup: Zahn EZ #2

Dry Film Density: 3.2

Substrate: Steel fasteners

Application: Dip/spin
Spray

Pretreatment: Alkaline clean
Iron phosphate
Shot blast
Zinc phosphate

Reducing solvents: SC 150
PCBTF

Bake Schedule: 20 minutes at 400 - 425 °F
This schedule is a general guideline only; please contact Magni Technical Service for more information.

Coating Weight: 40.2 g/m² @ 0.5 mils (31.7 g/m² @ 10 microns)

Theoretical Coverage: 440 to 520 ft²/gallon @ 1 mil
28 to 33 m²/l @ 10 microns

VOC (per EPA Method 24): 4.2 to 5 lbs/gallon
503 to 599 g/l

Shelf-life (months): 6 When stored @ ambient temperature and properly mixed.
If product is greater than 6 months old but less than 5 years, please mix well and recertify. Otherwise, dispose.

Original Date: 04/03/13

Prepared By: PP



Line 2



MAGNI INDUSTRIES, INC.

2771 Hammond, Detroit, MI 48209

Phone: (313) 843-7855

Fax: (313) 842-6730

Technical Data Sheet

Product Code: B18

Color: Silver

Revision Date: 11/17/04

% Weight Solids: 37.00% Minimum

% Volume Solids: 25.00% Minimum

Lbs/Gallon (g/cm³): 9 (1.08) Minimum

Viscosity @ 80 °F (27 °C): 60 to 75 seconds

Viscosity Cup: Zahn EZ #2

Dry Film Density: 1.7

Substrate: Electroplated zinc alloys w/non-hexavalent chrome
Magni basecoat

Application: Dip/spin
Spray

Pretreatment: Not applicable

Reducing solvents: PMA

Bake Schedule: 20 minutes at 400 - 425 °F

This schedule is a general guideline only; please contact Magni Technical Service for more information.

Coating Weight: 21.1 g/m² @ 0.5 mils (16.6 g/m² @ 10 microns)

Theoretical Coverage: 400 to 480 ft²/gallon @ 1 mil
25 to 30 m²/l @ 10 microns

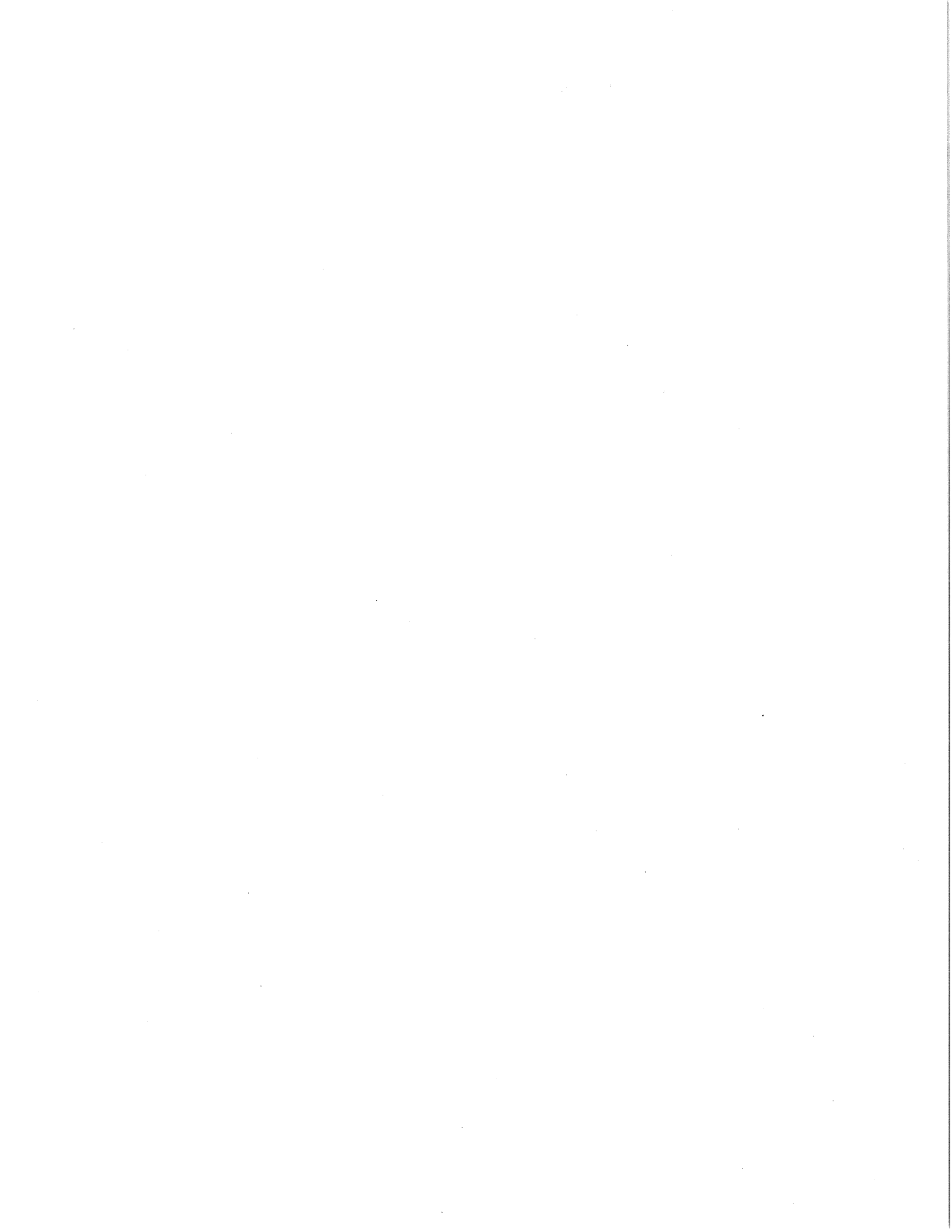
VOC (per EPA Method 24): 5.03 to 5.64 lbs/gallon
603 to 676 g/l

Shelf-life (months): 6 When stored @ ambient temperature and properly mixed.

If product is greater than 6 months old but less than 5 years, please mix well and recertify. Otherwise, dispose.

Original Date: 10/06/00

Prepared By: TH



Line 2



**NOF METAL COATINGS
NORTH AMERICA**

**NOF METAL COATINGS
NORTH AMERICA INC.**

275 Industrial Parkway
Chardon, Ohio 44024-1083 U.S.A.
Phone: 440-285-2231
Fax: 440-285-5009
Email: infona@nofmetalcoatings.com
Website: www.nofmetalcoatings.com

AIR QUALITY DATA SHEET

The data given below is for the composition of the product as formulated. Variations may occur on individual batches because of adjustments made during production.

PRODUCT:

PLUS® ML

Product Code: PLS1279

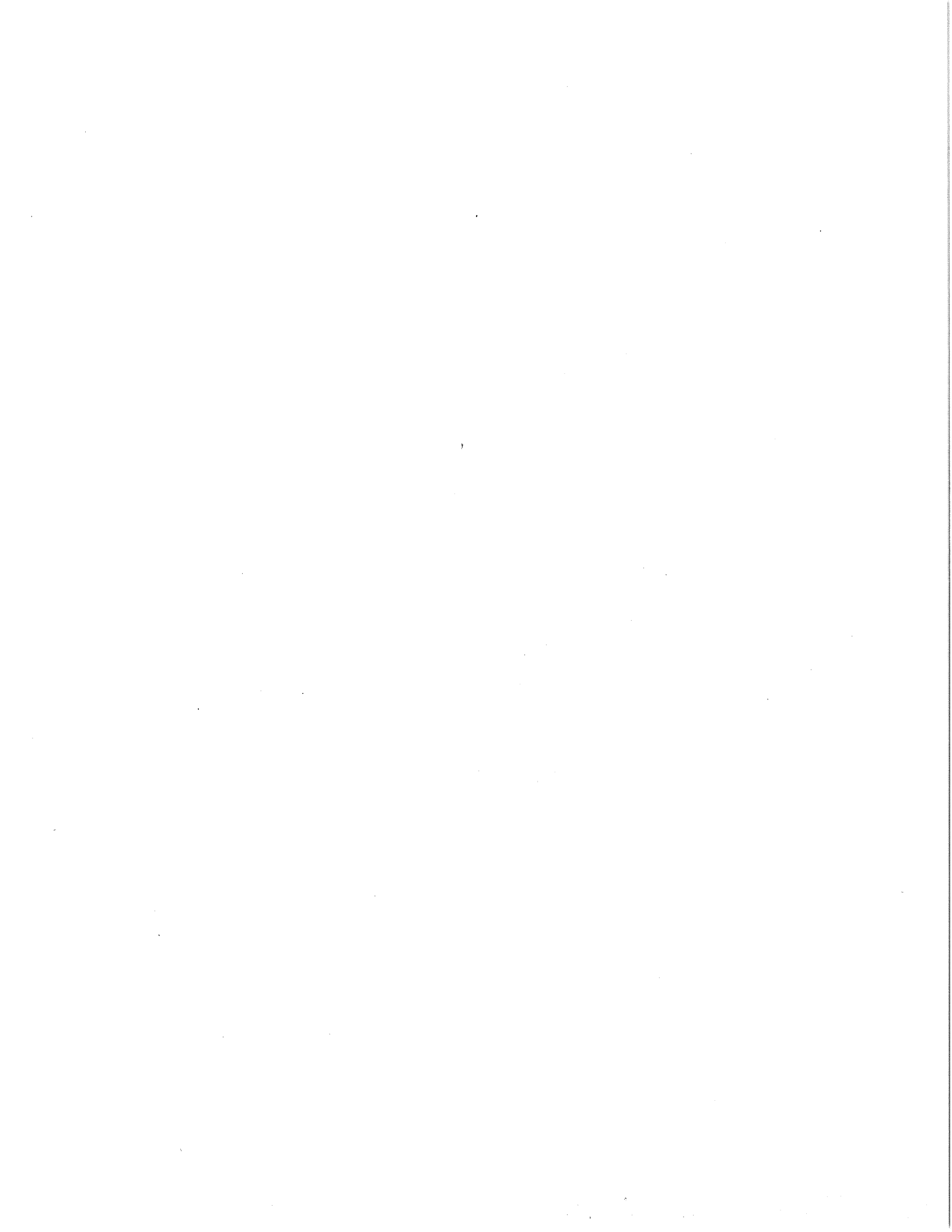
PLUS®	Value	Unit	Method
Volume % Solids	18.0	%	Calculated
Volume % Water	81	%	Calculated
Weight % HAP	0.0	%	Calculated
Weight % Solids	28	%	Calculated
Weight % Organic	1	%	Calculated
Weight % Water	71	%	Calculated
Weight % Volatile	72	%	Calculated
Density	9.2	lbs/gal	EPA 24
VOC + Exempt	< 0.25	lbs/gal	EPA 24
VOC - Water	< 0.8	lbs/gal	EPA 24

Please Note: This information is provided for the sole purpose of assisting you in complying with reporting requirements and should not be used or distributed for any other purpose.

DAK: rev. 10142013

A member of NOF METAL COATINGS GROUP

*new coatings this month



Line 2



**NOF METAL COATINGS
NORTH AMERICA**

**NOF METAL COATINGS
NORTH AMERICA INC.**

275 Industrial Parkway
Chardon, Ohio 44024-1083 U.S.A.
Phone: 440-285-2231
Fax: 440-285-5009
Email: infona@nofmetalcoatings.com
Website: www.nofmetalcoatings.com

AIR QUALITY DATA SHEET

The data given below is for the composition of the product as formulated. Variations may occur on individual batches because of adjustments made during production.

PRODUCT:

GEOMET® 321

Product Code: GMT1120, GMT1121, GMT1122

GEOMET® 321	Value	Unit	Method
Volume % NVM	19.8	%	Calculated
Weight % HAP	4.0	%	Calculated
Density	11.3	lbs/gal	EPA 24
VOC + Exempt	1.41	lbs/gal	EPA 24
VOC - Exempt	< 3.5	lbs/gal	EPA 24

HAP Content	CAS	Wt %
Methanol	67-56-1	4.0
Total		4.0

Please Note: This information is provided for the sole purpose of assisting you in complying with reporting requirements and should not be used or distributed for any other purpose.

BRO:01292013

A member of NOF METAL COATINGS GROUP

* new coating this month

line 3



Technical Data Sheet

Product Code: B09H **Color:** Grey, dark

Revision Date: 11/01/02

% Weight Solids: 84.50% Minimum

% Volume Solids: 60.00% Minimum

Lbs/Gallon (g/cm³): 18 (2.16) Minimum

Viscosity @ 80 °F (27 °C): 20 to 30 seconds

Viscosity Cup: Zahn EZ #4

Dry Film Density: 3.3

Substrate: Cast iron

Application: Dip/spin
Spray

Pretreatment: Iron phosphate

Reducing solvents: Oxsol 100
PCBTF
SC 150

Bake Schedule: 290 - 380 °F PMT
This schedule is a general guideline only; please contact Magni Technical Service for more information.

Coating Weight: 41.5 g/m² @ 0.5 mils (32.7 g/m² @ 10 microns)

Theoretical Coverage: 960 to 990 ft²/gallon @ 1 mil
60 to 62 m²/l @ 10 microns

VOC (per EPA Method 24): 2.6 to 2.8 lbs/gallon
311 to 335 g/l

Shelf-life (months): 6 When stored @ ambient temperature and properly mixed.
If product is greater than 6 months old but less than 5 years, please mix well and recertify. Otherwise, dispose.

Original Date: 02/02/94

Prepared By: DMM



Line 3

12 Month Summary For Device: Line 3

Permit 359-00

Month	PAINT CODE	SPRIMAG Total Gallons	Additive Volume	Total #VOC
2018-01	B09	57	0	161
2018-02	B09	62	0	173.6
2017-03		108	0	302.4
2017-04		99	0	277.2
2017-05		104	0	291.2
2017-06		125.5	0	351.4
2017-07		98.5	0	275.8
2017-08		22.5	0	63
2017-09		22.5	0	63
2017-10		45	0	126
2017-11		45	0	126
2017-12		36	0	100.8

Device Total 825 0 2311.4

Tons 1.2

Solvent

COMPANY IDENTITY: Webb Chemical Service Corp.
PRODUCT IDENTITY: PARACHLOROBENZOTRIFLUORIDE (PCBTB)
SDS NUMBER: 3315

SDS DATE: 04/05/2014
ORIGINAL: 04/05/2014

SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements of the Global Harmonizing System.
THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)
IMPORTANT: Read this SDS before handling & disposing of this product.
Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: PARACHLOROBENZOTRIFLUORIDE (PCBTB)
PRODUCT USES: Solvent

COMPANY IDENTITY: Webb Chemical Service Corp.
COMPANY ADDRESS: 2708 Jarman Street
COMPANY CITY: Muskegon Hts., MI 49444
COMPANY PHONE: 1-231-733-2181
EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)

SECTION 2. HAZARDS IDENTIFICATION

DANGER!!

2.1 HAZARD STATEMENTS: (CAT = Hazard Category)

- (H200s) PHYSICAL: Flammable Liquids:
H226 COMBUSTIBLE LIQUID(N.America);
FLAMMABLE LIQUID & VAPOR(Elsewhere).(CAT:3)
- (H300s) HEALTH: Aspiration Hazard:
H304 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.(CAT:1)
- (H300s) HEALTH: Skin Corrosion/Irritation:
H315 CAUSES SKIN IRRITATION.(CAT:2)
- (H300s) HEALTH: Serious Eye Damage/Eye Irritation:
H320 CAUSES EYE IRRITATION.(CAT:2)
- (H300s) HEALTH: Target Organ Toxicity, Single Exposure:
H335 MAY CAUSE RESPIRATORY IRRITATION.(CAT:3)
H336 MAY CAUSE DROWSINESS OR DIZZINESS.(CAT:3)
- (H400s) ENVIRONMENT: Hazardous to Aquatic Environment, Acute:
H402 HARMFUL TO AQUATIC LIFE.(CAT:3)



2.2 PRECAUTIONARY STATEMENTS:

EXPOSURE PREVENTION:

- P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal
- P264 Wash with soap & water thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+352 IF ON SKIN: Wash with soap & water.
- P304+340 IF INHALED: Remove victim to fresh air & keep at rest in a position comfortable for breathing.
- P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P332+313 If skin irritation occurs: Get medical advice/attention.
- P337+313 If eye irritation persists, get medical advice/attention.
- P361 Remove/Take off immediately all contaminated clothing.
- P363 Wash contaminated clothing before reuse.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS#	EINECS#	WT %
Chlorobenzotrifluorides	98-56-6	-	90-100

TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

COMPANY IDENTITY: Webb Chemical Service Corp.
PRODUCT IDENTITY: PARACHLOROBENZOTRIFLUORIDE (PCBTB)
SDS NUMBER: 3315

SDS DATE: 04/05/2014
ORIGINAL: 04/05/2014

SECTION 4. FIRST AID MEASURES

- 4.1 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE & CHRONIC:
See Section 11 for Symptoms/Effects (acute & chronic).
- 4.2 EYE CONTACT:
For eyes, flush with plenty of water for 15 minutes & get medical attention.
- 4.3 SKIN CONTACT:
In case of contact with skin immediately remove contaminated clothing.
Wash thoroughly with soap & water. Wash contaminated clothing before reuse.
- 4.4 INHALATION:
After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).
- 4.5 SWALLOWING:
Rinse mouth. Do NOT induce vomiting. GET MEDICAL ATTENTION IMMEDIATELY.
Do NOT give liquids to an unconscious or convulsing person.

SECTION 5. FIRE FIGHTING MEASURES

- 5.1 FIRE & EXPLOSION PREVENTIVE MEASURES:
NO open flames, NO sparks, & NO smoking.
- 5.2 SUITABLE (& UNSUITABLE) EXTINGUISHING MEDIA:
Use dry powder, carbon dioxide, foam, or water fog. DO NOT use water jet.
- 5.3 SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS FOR FIRE FIGHTERS:
Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.
Do not enter confined fire-space without full bunker gear.
(Helmet with face shield, bunker coats, gloves & rubber boots).
- 5.4 SPECIFIC HAZARDS OF CHEMICAL & HAZARDOUS COMBUSTION PRODUCTS:
COMBUSTIBLE!
Isolate from oxidizers, heat, & open flame.
Closed containers may explode if exposed to extreme heat.
Applying to hot surfaces requires special precautions.
Empty container very hazardous! Continue all label precautions!

SECTION 6. ACCIDENTAL RELEASE MEASURES

- 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES:
Keep unprotected personnel away.
Ventilate spill area. Remove all ignition sources.
Wear appropriate personal protective equipment given in Section 8.
- 6.2 ENVIRONMENTAL PRECAUTIONS:
Keep from entering storm sewers and ditches which lead to waterways.
- 6.3 METHODS & MATERIAL FOR CONTAINMENT & CLEAN-UP:
Stop spill at source. Dike and contain.
Collect leaking & spilled liquid in sealable containers as far as possible.

SECTION 7. HANDLING AND STORAGE

- 7.1 PRECAUTIONS FOR SAFE HANDLING:
Isolate from oxidizers, heat, & open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.
Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, braze, or weld. Empty container very hazardous! Continue all label precautions!
Drinking alcohol shortly before, during or after use can cause unwanted effects.

COMPANY IDENTITY: Webb Chemical Service Corp.
PRODUCT IDENTITY: PARACHLOROBENZOTRIFLUORIDE (PCBTB)
SDS NUMBER: 3315

SDS DATE: 04/05/2014
ORIGINAL: 04/05/2014

SECTION 7. HANDLING AND STORAGE (CONTINUED)

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Isolate from strong oxidants. Do not store above 49 C/120 F.
Contact with hot surfaces can produce toxic gases. Keep container tightly closed & upright when not in use to prevent leakage.

7.3 NONBULK: CONTAINERS:

Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Material should be stored in secondary containers or in a diked area, as appropriate. Store containers away from incompatible chemicals (see Section 10, Stability and Reactivity). Post warning and "NO SMOKING" signs in storage and use areas, as appropriate. Empty containers should be handled with care. Never store food, feed, or drinking water in containers which held this product.

7.4 BULK CONTAINERS:

All tanks and pipelines which contain this material must be labeled. Perform routine maintenance on tanks or pipelines which contain this product. Report all leaks immediately to the proper personnel.

7.5 TANK CAR SHIPMENTS:

Tank cars carrying this product should be loaded and unloaded in strict accordance with tank-car manufacturer's recommendation and all established on-site safety procedures. Appropriate personal protective equipment must be used (see Section 8, Engineering Controls and Personal Protective Equipment.). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended, at all times. Tank cars must be level, brakes must be set or wheels must be locked or blocked prior to loading or unloading. Tank car (for loading) or storage tanks (for unloading) must be verified to be correct for receiving this product and be properly prepared, prior to starting the transfer operations. Hoses must be verified to be in the correct positions, before starting transfer operations. A sample (if required) must be taken and verified (if required) prior to starting transfer operations. All lines must be blown-down and purged before disconnecting them from the tank car or vessel.

7.6 PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT:

Follow practices indicated in Section 6 (Accidental Release Measures). Make certain application equipment is locked and tagged-out safely. Always use this product in areas where adequate ventilation is provided. Collect all rinsates and dispose of according to applicable Federal, State, Provincial, or local procedures.

7.7 EMPTY CONTAINER WARNING:

Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. **DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY BURST AND CAUSE INJURY OR DEATH.**

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 EXPOSURE LIMITS:

MATERIAL	CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
Chlorobenzotrifluorides	98-56-6	-	None Known	None Known

This product contains no EPA Hazardous Air Pollutants (HAP) in amounts > 0.1%.

8.2 APPROPRIATE ENGINEERING CONTROLS:

RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION

LOCAL EXHAUST:	Necessary	MECHANICAL (GENERAL):	Acceptable
SPECIAL:	None	OTHER:	None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

8.3 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

WORK & HYGIENIC PRACTICES:

Provide readily accessible eye wash stations & safety showers.
Wash at end of each workshift & before eating, smoking or using the toilet.
Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Liquid, Water-White
ODOR:	Chlorinated
ODOR THRESHOLD:	Not Available
pH (Neutrality):	Not Available
MELTING POINT/FREEZING POINT:	Not Available
BOILING RANGE (IBP, 50%, Dry Point):	137 139 140 C / 280 283 284 F
FLASH POINT (TEST METHOD):	42 C / 109 F (TCC)
EVAPORATION RATE (n-Butyl Acetate=1):	0.453
FLAMMABILITY CLASSIFICATION:	Class II
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	0.941
Not Available	
VAPOR PRESSURE (mm of Hg)@20 C	2.7
VAPOR DENSITY (air=1):	6.2
GRAVITY @ 68/68 F / 20/20 C:	
DENSITY:	1.351
SPECIFIC GRAVITY (Water=1):	1.353
POUNDS/GALLON:	11.271
WATER SOLUBILITY:	Negligible
PARTITION COEFFICIENT (n-Octane/Water):	Not Available
AUTO IGNITION TEMPERATURE:	Not Applicable
DECOMPOSITION TEMPERATURE:	Not Available
REFRACTIVE INDEX:	1.480
MIXED ANILINE POINT (Acid Insol):	7 C / 45 F
VOCs (>0.044 Lbs/Sq In) :	0.0 Vol% / 0.0 g/L / 0.000 Lbs/Gal
TOTAL VOC'S (TVOC)*:	100.0 Vol% / 1340.0 g/L / 11.1 Lbs/Gal
NONEXEMPT VOC'S (CVOC)*:	0.0 Vol% / 0.0 g/L / 0.000 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS):	0.0 Wt% / 0.0 g/L / 0.000 Lbs/Gal
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	0.0
VISCOSITY @ 20 C (ASTM D445):	Not Available

* Using CARB (California Air Resources Board Rules).

SECTION 10. STABILITY & REACTIVITY

10.1 REACTIVITY & CHEMICAL STABILITY:

Stable under normal conditions, no hazardous reactions when kept from incompatibles.

10.2 POSSIBILITY OF HAZARDOUS REACTIONS & CONDITIONS TO AVOID:

Isolate from oxidizers, heat, & open flame.

10.3 INCOMPATIBLE MATERIALS:

Reacts with strong oxidants, causing fire & explosion hazard.

10.4 HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide, Carbon Dioxide,
Hydrogen Chloride, Phosgene from burning.

10.5 HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 ACUTE HAZARDS

11.11 EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.
Primary irritation to eyes, redness, tearing, blurred vision.
Liquid can cause eye irritation. Wash thoroughly after handling.

11.12 INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression which can cause death. Vapor harmful. Concentrated vapor in confined areas may be fatal.

11.13 SWALLOWING:

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea. The symptoms of chemical pneumonitis may not show up for a few days.

11.2 SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing disorders of any target organs mentioned in this SDS can be aggravated by over-exposure by routes of entry to components of this product. Persons with these disorders should avoid use of this product.

11.3 CHRONIC HAZARDS

11.31 CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.

11.32 TARGET ORGANS: May cause damage to target organs, based on animal data.

11.33 IRRITANCY: Irritating to contaminated tissue.

11.34 SENSITIZATION: No component is known as a sensitizer.

11.35 MUTAGENICITY: No known reports of mutagenic effects in humans.

11.36 EMBRYOTOXICITY: No known reports of embryotoxic effects in humans.

11.37 TERATOGENICITY: No known reports of teratogenic effects in humans.

11.38 REPRODUCTIVE TOXICITY: No known reports of reproductive effects in humans.

A MUTAGEN is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate across generational lines. An EMBRYOTOXIN is a chemical which causes damage to a developing embryo (such as: within the first 8 weeks of pregnancy in humans), but the damage does not propagate across generational lines. A TERATOGEN is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A REPRODUCTIVE TOXIN is any substance which interferes in any way with the reproductive process.

11.4 MAMMALIAN TOXICITY INFORMATION

MATERIAL	CAS#	EINECS#	LOWEST KNOWN LETHAL DOSE DATA
Chlorobenzotrifluorides	98-56-6	-	LOWEST KNOWN LD50 (ORAL) 6800 mg/kg (Rats)
Chlorobenzotrifluorides	98-56-6	-	LOWEST KNOWN LC50 (INHALATION) 4479 mg/L (Rats)

COMPANY IDENTITY: Webb Chemical Service Corp.
PRODUCT IDENTITY: PARACHLOROBENZOTRIFLUORIDE (PCBTB)
SDS NUMBER: 3315

SDS DATE: 04/05/2014
ORIGINAL: 04/05/2014

SECTION 12. ECOLOGICAL INFORMATION

12.1 ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

12.2 EFFECT OF MATERIAL ON PLANTS AND ANIMALS:

This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

12.3 EFFECT OF MATERIAL ON AQUATIC LIFE:

No aquatic environmental information is available on this product.

12.4 MOBILITY IN SOIL

This material is a mobile liquid.

12.5 DEGRADABILITY

This product is nonbiodegradable.

12.6 ACCUMULATION

This product does not accumulate or biomagnify in the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers and liners may retain some product residues. Vapor from some product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal. **ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES. EPA CHARACTERISTIC: D001**

SECTION 14. TRANSPORT INFORMATION

MARINE POLLUTANT: No
DOT/TDG SHIP NAME: NONBULK: Not Regulated
BULK: UN2234, Chlorobenzotrifluorides, Combustible liquid, PG-III
Combustible liquid. Not DOT regulated on trucks in containers of < 119 gallons.
DRUM LABEL: None (Combustible Liquid)
IATA / ICAO: UN2234, Chlorobenzotrifluorides, 3, PG-III
IMO / IMDG: UN2234, Chlorobenzotrifluorides, 3, PG-III
EMERGENCY RESPONSE GUIDEBOOK NUMBER: 128

SECTION 15. REGULATORY INFORMATION

15.1 EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health, Fire

All components of this product are on the TSCA list. This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

SARA TITLE III INGREDIENTS	CAS#	EINECS#	WT%	(REG. SECTION)	RQ(LBS)
Parachlorobenzotrifluorid	98-56-6	-	100	(311,312,313,RCRA)	None



COMPANY IDENTITY: Webb Chemical Service Corp.
PRODUCT IDENTITY: PARACHLOROBENZOTRIFLUORIDE (PCBTB)
SDS NUMBER: 3315

SDS DATE: 04/05/2014
ORIGINAL: 04/05/2014

SECTION 15. REGULATORY INFORMATION (CONTINUED)

15.2 STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):
This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

15.3 INTERNATIONAL REGULATIONS

The identified components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

15.4 CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

B3: Combustible Liquid.
D2B: Irritating to skin / eyes.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all information required by the CPR.

SECTION 16. OTHER INFORMATION

16.1 HAZARD RATINGS:

HEALTH (NFPA): 2, HEALTH (HMIS): 1, FLAMMABILITY: 2, PHYSICAL HAZARD: 1
(Personal Protection Rating to be supplied by user based on use conditions.)
This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

16.2 EMPLOYEE TRAINING

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

16.3 SDS DATE: 04/05/2014

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

Unless updated, the Safety Data Sheet is valid until 04/05/2017.
Safety Data Sheet was prepared by: Chemical Data Services, e-mail: chemdatsrv@aol.com.

