THE SHERWIN-WILLIAMS CO. GENERAL PURCHASING DEPT. • 101 PROSPECT AVE., N.W. • CLEVELAND, OHIO 44101

SPECIFICATION FOR PURCHASED MATERIAL

Material Zinc Sulfate Monohydrate (Spray Dried) Date 5/1/70 Code 54 30 22

Supersedes Specification

General Description: Date 1/20/53 Code 54 C 9

Fine, white, free-flowing, powdery crystals.

CHARACTERISTICS	MIN.	STD.	MAX.	TEST METHOD
1. Zinc, as Zn	36%	-	-	S-W 60-A
2. Lead, as Pb	-	-	0.004%	S-W 60-B
3. Copper, as Cu	-	-	0.001%	S-W 60-C
4. Manganese, as Mn	-	-	0.002%	S-W 60-D
5. Cadmium, as Cd	-	-	0.003%	S-W 60-E
6. Iron, as Fe	-	-	0.002%	S-W 60-F
7. Nickel, as Ni	-	-	0.001%	S-W 60-N

SPECIAL TESTS AND/OR CHARACTERISTICS:

RECEIVED
JUL 13 1970
GEN'L PURCH. DEPT.

0007-PMC-000000945

Code 54 30 22

PRACTICAL REQUIREMENTS: The material shall remain constant in successive lots or shipments with respect to unspecified characteristics to the extent that the seller warrants that no known changes are to be made in raw materials or processing methods of this material without due notification of the buyer.

RAW MATERIAL CHARACTERISTICS AND ASSIGNMENT REQUEST FORM

INTRA COMPANY CONFIDENTIAL

This Side for S-W and Affiliated Company Personnel Only

54 30 22 Code

5/1/70 Date

2 Card No.

53 C 9 Prev. Code

TRADE NAME Zinc Sulfate

CHEMICAL NAME Zinc Sulfate Monohydrate

SUPPLIERS (Primary)	CODE
Sherwin-Williams Chemicals Coffeyville, Kansas	

FORMULATING PARAMETERS

	Gal. Cwt. @ 25° C
8.07	Lb./Gal. @ 25° C
100	Wt. % NVM
100	Vol. % NVM
0	Wt. % Pig.
0	Vol. % Pig.

OTHER CHARACTERISTICS

	Coeff. of Exp.
	TOC Flash Pt. ° F.
10¢	Price Lb.
65 lbs/cu. ft.	

HANDLING

Shipping Containers See Below* Safety Label Codes

Age Limit 6 mos. Protect from Freezing Protect from Moisture Yes

Flammable Material Explosive Material Hazardous Material

* 50# multiwall bags, 440# fibre drums

SAFETY PRECAUTIONS AND OTHER HANDLING INFORMATION

USES Coffeyville product, grade 361-S

Product Name Type or Rex

Line Item Customer Specification Experimental

Reason for Assignment or Revision Transfer from small old card

Similar Codes Codes Which May Become Overstock None

Advantages Over Similar Material

SPECIAL TESTS:

0007-PMC-000000946

INSTRUCTIONS

1. Fill out as completely as possible. Refer to Routine & Policy Bulletin No. 145.
2. Enumerate all tests on opposite side in consecutive order.

The following test numbers are to be run routinely. Zinc, constantly. All others periodically.

Tentative Reference Sample to be sent to Cleveland Tech. Service Yes ____ No X

Person Requesting Assignment W. A. Livingston Date 5/1/70

Laboratory Coordinator Approving Lab. Chem. Div. Coffeyville

Received and Approved in Cleveland By J. Tillman/ E. Gardiner Date 5/14/70

Code 54 30 22

RAW MATERIAL CHARACTERISTICS AND ASSIGNMENT REQUEST FORM

INTRA COMPANY CONFIDENTIAL

This Side for S-W and Affiliated Company Personnel Only

58 10 25 Code

1/11/71 Date

1 Card No.

Prev. Code

TRADE NAME Litharge Sublimed Domestic

CHEMICAL NAME

SUPPLIERS (Primary)	CODE
Eagle Pitcher	

FORMULATING PARAMETERS

	Gal. Cwt. @ 25° C
8.3	Lb./Gal. @ 25° C
100	Wt. % NVM
100	Vol. % NVM
0	Wt. % Pig.
0	Vol. % Pig.

OTHER CHARACTERISTICS

	Coeff. of Exp.
	TOC Flash Pt. ° F.
	Price Lb.
	:
	:
	:
	:

HANDLING

Shipping Containers _____ Safety Label Codes _____

Age Limit _____ Protect from Freezing _____ Protect from Moisture _____

Flammable Material _____ Explosive Material _____ Hazardous Material _____

SAFETY PRECAUTIONS AND OTHER HANDLING INFORMATION

USES

Product Name Type or Rex _____

Line Item _____ Customer Specification _____ Experimental _____

Reason for Assignment or Revision New Code

Similar Codes _____ Codes Which May Become Overstock _____

Advantages Over Similar Material _____

SPECIAL TESTS:

INSTRUCTIONS

1. Fill out as completely as possible. Refer to Routine & Policy Bulletin No. 145.
2. Enumerate all tests on opposite side in consecutive order.

0007-PMC-000000947

The following test numbers are to be run routinely _____

Tentative Reference Sample to be sent to Cleveland Tech. Service _____ Yes _____ No _____

Person Requesting Assignment W. A. Livingston Date 1/11/71

Laboratory Coordinator Approving _____ Lab. Coffeyville

Received and Approved in Cleveland By J. Tillman/ L. Werner Date 1/11/71

Code 58 10 25

THE SHERWIN-WILLIAMS CO. GENERAL PURCHASING DEPT. • 101 PROSPECT AVE., N.W. • CLEVELAND, OHIO 44101

SPECIFICATION FOR PURCHASED MATERIAL

Material Copper Sulfate (Blue Vitrol) Small Crystal — **Date** 5/1/70 — **Code** 53 80 21

Supersedes Specification

General Description: — **Date** 9/11/69 — **Code** 53 80 21

Blue Crystal

CHARACTERISTICS	MIN.	STD.	MAX.	TEST METHOD
1. $CuSO_4 \cdot 5H_2O$	-	99%	-	-
Cu-	-	25.2%	-	OAM 202
2. Particle Size:				
Thru 5/8" screen		100%		ASTM B 214
Retained on 1/4" screen		95%		ASTM B 214

SPECIAL TESTS AND/OR CHARACTERISTICS:

0007-PMC-000000949

Code

PRACTICAL REQUIREMENTS: The material shall remain constant i successive lots or shipments with respect to unspecified characteristics to the extent that the seller warrants that no known changes are be made in raw materials or processing methods of this material without due notification of the buyer.

28520 10-68 36755

THE SHERWIN-WILLIAMS CO. GENERAL PURCHASING DEPT. • 101 PROSPECT AVE., N.W. • CLEVELAND, OHIO 44101

Copy to Maumee

SPECIFICATION FOR PURCHASED MATERIAL

Material Sodium Sulfhydrate, Liquid Date 11/18/70 Code 53 21 11

Supersedes Specification

General Description: Date 5/1/70 Code 53 21 11

Dark yellow/black liquid, odorous

CHARACTERISTICS	MIN.	STD.	MAX.	TEST METHOD
1. NaSH	40%	45%	47%	OAM 614
2. Cu			1 ppm	OAM 202
3. Ni			1 ppm	Sw 60 N

SPECIAL TESTS AND/OR CHARACTERISTICS:

0007-PMC-000000951

Code 53 21 11

PRACTICAL REQUIREMENTS: The material shall remain constant in successive lots or shipments with respect to unspecified characteristics to the extent that the seller warrants that no known changes are to be made in raw materials or processing methods of this material without due notification of the buyer.

28520

THE SHERWIN-WILLIAMS CO. GENERAL PURCHASING DEPT. • 101 PROSPECT AVE., N.W. • CLEVELAND, OHIO 44101

copy to Maumee

SPECIFICATION FOR PURCHASED MATERIAL

Material Ammonium Thiocyanate Crystals, Technical

Date 11/18/70 Code 53 28 21

Supersedes Specification

Date 5/1/70 Code 53 28 21

General Description:

White Crystal

CHARACTERISTICS	MIN.	STD.	MAX.	TEST METHOD
1. (NH_4SCN)		98.0%		We accept Manufacturer's Certification and do not perform any local testing

SPECIAL TESTS AND/OR CHARACTERISTICS:

0007-PMC-000000953

Code 53 28 21

PRACTICAL REQUIREMENTS: The material shall remain constant in successive lots or shipments with respect to unspecified characteristics to the extent that the seller warrants that no known changes are to be made in raw materials or processing methods of this material without due notification of the buyer.

28520

THE SHERWIN-WILLIAMS CO. GENERAL PURCHASING DEPT. • 101 PROSPECT AVE., N.W. • CLEVELAND, OHIO 44101

Copy to Maumee

SPECIFICATION FOR PURCHASED MATERIAL

Material Mixed Copper Oxides, Fine Date 6/10/70 Code 59 30 25

Supersedes Specification

General Description: Date 5/1/70 Code 59 30 25

Dark Brown Powder

CHARACTERISTICS	MIN.	STD.	MAX.	TEST METHOD
1. Total Cu	78.5%	83.5%		OAM 202
CuO		73%		OAM 200
Cu_2O		27%		OAM 202A
$NH_3 + CO_2$			1.6%	Volatile
2. Screen size				
+325 mesh		0.1%		ASTM B 214
-325 mesh		99.9%		ASTM B 214

SPECIAL TESTS AND/OR CHARACTERISTICS:

0007-PMC-000000955

Code 59 30 25

PRACTICAL REQUIREMENTS: The material shall remain constant in successive lots or shipments with respect to unspecified characteristics to the extent that the seller warrants that no known changes are to be made in raw materials or processing methods of this material without due notification of the buyer.

28520 10-68 36755