

OUTLINES

Outlines Acrylic Paints - 12 Colours



List of Colours

Titanium White, Lemon Yellow, Yellow Ochre, Vermillion, Crimson Red, Sap Green, Viridian, Cerulean Blue, Ultramarine Blue, Burnt Sienna, Raw Umber and Lamp Black.

Our paint is "Certified Toy Safe", subject to Toy Standard Testing:
BS EN 71-3: 2019, EN71-3: 2019

Note: The documents apply to all Outlines Acrylic paints, including those available as a set of 12 and paints available as individual tubes of each colour.

This document Contains The latest Test Report for the paints.

The colours in our set have been re-tested in 2020 to the latest standards and meet the requirements for The MATERIAL SAFETY DATA SHEET at the end.

The safety information document (MSDS) is supplied by the manufacturer must be read together with the latest Tests. For your convenience, the pdfs that together form the safety information for Outlines paints have been combined into One PDF Document.

The Documents Combined are:

Intertek Report dated Mar 24 2020 - 4 pages

Eurofins Material Safety Data Sheet - 13 pages

This applies to multiple products supplied by Shanghai Tianmao Stationery Co.,Ltd. - Outlines' supply factory.

Document Updated March 2020

To obtain the latest safety information please go to <https://outlinesart.com/certificates/>

TEST REPORT

NUMBER: LTR20030108A

APPLICANT: Outlines
The Granary Bourne
Bridge Reeve
Chulmleigh
EX18 7BB

DATE: 24th March 2020

For the attention of Christina Bonnett

SAMPLE DESCRIPTION: Acrylic Paints – Titanium white, Lemon yellow, Yellow ochre, Vermillion, Crimson red, Sap green, Viridian, Cerulean blue, Ultramarine blue, Burnt sienna, Raw umber, Lamp black

REFERENCE / STYLE NO.: Not specified

RETAILER: Not specified

SAMPLES RECEIVED: 10th March 2020

PURCHASE ORDER: Inter01

TEST REQUEST: ^BS EN 71-3: 2019, EN 71-3: 2019

CONCLUSION: The results of the tests carried out **MEET** the requirements of the requested Standard

Tests marked (^) in this report are included in the scope of accreditation of the sub-contractor who performed the test.
Tests marked (*) in this report are not included in our UKAS scope of accreditation.
Tests marked (**) in this report are not included in the scope of accreditation of the sub-contractor who performed the test.
Opinions, interpretations and comments expressed herein are outside the scope of accreditation.



GEORGE CARTER
Technician
HARDLINES



TEST REPORT

NUMBER: LTR20030108A

Specification: BS EN 71-3:2019, EN 71-3:2019

Acid extraction method was used and migration elements content were determined by Inductively Coupled Plasma-ICP-MS

Category	TEST	RESULTS
II	Liquid/sticky	Pass

Note: The results for chromium (III), chromium (VI) and organic tin are based on the overall migration of chromium and tin respectively and specific testing for these chemicals was not carried out (unless confirmation testing is indicated). This is in accordance with Annex I of the standard.

MATERIALS SAMPLED

No.	DESCRIPTION	Sample weight (<100mg)
	CATEGORY II – LIQUID / STICKY	
1	Black paint	
2	White paint	
3	Red paint	
4	Orange paint	
5	Bright yellow paint	
6	Dull yellow paint	
7	Light blue paint	
8	Dark blue paint	
9	Light green paint	
10	Darker green paint	
11	Tan paint	
12	Brown paint	

Where sample weights are written above these were less than 100 mg. The migration results below for these samples have been calculated as though the sample weight were 100 mg.

CATEGORY II – LIQUID / STICKY

Element	Analytical Results																	Theoretical Maximum Results		
	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	Al	B	Co	Cu	Mn	Ni	Sr	Sn	Zn	Cr (III)	#Cr (VI)	##OT
EN71-3 Limit	11.3	0.9	375	0.3	—	0.5	1.9	9.4	1406	300	2.6	156	300	18.8	1125	3750	938	9.4	0.005	0.2
1	<0.2	<0.1	<100	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
2	<0.2	<0.1	180.7	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
3	<0.2	<0.1	<100	<0.125	<0.004	0.2	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2



TEST REPORT

NUMBER: LTR20030108A

Element	Analytical Results																	Theoretical Maximum Results		
	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	Al	B	Co	Cu	Mn	Ni	Sr	Sn	Zn	Cr (III)	#Cr (VI)	##OT
EN71-3 Limit	11.3	0.9	375	0.3	—	0.5	1.9	9.4	1406	300	2.6	156	300	18.8	1125	3750	938	9.4	0.005	0.2
4	<0.2	<0.1	104.7	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	341.0	<0.004	<0.004	<0.2
5	<0.2	<0.1	165.1	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
6	<0.2	<0.1	<100	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
7	<0.2	<0.1	164.9	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
8	<0.2	<0.1	<100	<0.125	<0.004	0.45	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
9	<0.2	<0.1	148.8	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
10	<0.2	<0.1	166.4	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
11	<0.2	<0.1	<100	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2
12	<0.2	<0.1	<100	<0.125	<0.004	<0.125	<0.05	<3	<400	<100	<0.5	<50	<100	<6	<250	<0.2	<300	<0.004	<0.004	<0.2

The reporting limits are as stated in the table above.

OT = Organic tin

All results and the limits are quoted as mg/kg (ppm) of the named material.

† Sample weight of items marked with a cross was less than 100mg. The toxic metal content has been calculated as though the sample weight were 100mg.

Actual levels of chromium (III) or chromium (VI) have not been determined in this analysis, only overall levels of migratable chromium (III) have been analysed: the maximum theoretical amount of chromium (VI) will be equal to or less than the number reported above. Where the value in either of these columns is greater than the associated limit we would advise further testing to accurately determine chromium (III) chromium (VI) levels.

In the case of Category 2 samples we advise testing for chromium (III) and chromium (VI) is carried out on all samples due to the very low PASS/FAIL limit related to these materials

Actual levels of organic tin have not been determined in this analysis: the maximum theoretical amount of any single organic tin can be different. The result for organic tin presented is calculated as if all the tin were present as TBT (Tri-butyl Tin) only.

Date of Testing: 17th-23rd March 2020



TEST REPORT

NUMBER: LTR20030108A



END OF REPORT

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the Review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or wilful misconduct.



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name 50 colors Acrylic paint
Revision date 04-27-2011
Version #
CAS #
Product code 1241942: 2011 ACRYLIC 24PC ART SET
 1241967: 2011 SKETCHING 40PC SET
 1241975: 2011 WATERCOLOR 45PC SET
 1241983: 2011 OIL 35PC ART SET
 1241991: 105PC ULTIMATE ART SET
 10161808: FIELD EASEL ART SET
 10195803: Multi-Media Complete Art Case 108-Pc
 10126391: ART SET MULTIMEDIA 125PCS

Synonym(s)

Manufacturer/Supplier Shanghai Tianmao Stationery Co.,Ltd
 2# No. 1239, Songying Road, Qingpu District, Shanghai, China
 yama@hcf-tp.com.tw
 Telephone Number: (86)021-59867420
 Contact Person: Yama Wang
 Emergency Telephone Number: (86)

Emergency

2. Hazards Identification

Hazard assessment

Flammability Min/Nil=0
Toxicity Min/Nil=0
Body Contact Min/Nil=1
Reactivity Min/Nil=0
Chronic low=1

Hazard

WARNING

May cause respiratory irritation

PRECAUTIONARY STATEMENTS

Prevention

Avoid breathing dust/fume/gas/mist/vapours/spray.

Use only outdoors or in a well-ventilated area.

Response

IF INHALED: Remove to fresh air and keep at rest in a position comfortable

Call a POISON CENTER or doctor/physician if you feel unwell.

Storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.s

3. Composition / Information on Ingredients

Components	CAS #	Percent
White		
PW6	13463-67-7	43.50
Water	7732-18-5	11.65
Glycerin	56-81-5	6.03
Acrylic Polymer Emulsion	9003-1-4	38.82
Lemon Yellow		
PY3	6486-23-3	16.00
Water	7732-18-5	12.52
Glycerin	56-81-5	6.05
Acrylic Polymer Emulsion	9003-1-4	39.42
BaSO4	7727-43-7	26.01
PY3	6486-23-3	16.00
Yellow Ochre		
PY1	2512-29-0	8.06
Water	7732-18-5	14.51
PBr7	1309-37-1	2.69
Glycerin	56-81-5	6.45
Acrylic Polymer Emulsion	9003-1-4	38.18
BaSO4	7727-43-7	30.11
Crimson		
PR13	6235-47-3	8.99
Water	7732-18-5	15.47
Glycerin	56-81-5	6.74
Acrylic Polymer Emulsion	9003-1-4	38.46
BaSO4	7727-43-7	30.34
Raw Umber		
PBr7	1333-86-4	35.89
Water	7732-18-5	15.64
Glycerin	56-81-5	7.69
Acrylic Polymer Emulsion	9003-1-4	40.78
Viridian		
PW6	13463-67-7	4.86
PG7	1328-53-6	9.73
Acrylic Polymer Emulsion	9003-1-4	38.35
BaSO4	7727-43-7	40.78
Water	7732-18-5	6.28
Ultramarine		
PB29	57455-37-5	34.78
Water	7732-18-5	15.91
Glycerin	56-81-5	8.69
Acrylic Polymer Emulsion	9003-1-4	36.27

BaSO4	7727-43-7	4.35
Phthalocyanine Blue		
PB15	147-14-8	13.91
Water	7732-18-5	10.83
Glycerin	56-81-5	6.02
Acrylic Polymer Emulsion	9003-1-4	39.12
BaSO4	7727-43-7	30.12
Orange Yellow		
PY1	2512-29-0	15.03
PR4	2814-77-9	0.5
PW6	13463-67-7	1.05
Water	7732-18-5	16.04
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	9003-1-4	38.74
BaSO4	7727-43-7	21.41
Cadmium Yellow		
PY1	2512-29-0	15.04
Water	7732-18-5	10.4
Glycerin	56-81-5	6.19
Acrylic Polymer Emulsion	9003-1-4	38.42
BaSO4	7727-43-7	29.95
Scarlet		
PR4	2814-77-9	10.87
Water	7732-18-5	12.13
Glycerin	56-81-5	6.23
Acrylic Polymer Emulsion	9003-1-4	39.27
BaSO4	7727-43-7	31.5
Vermilion		
PR4	2814-77-9	10.22
Water	7732-18-5	13.46
PR13	6235-47-3	9.64
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	9003-1-4	37.64
BaSO4	7727-43-7	21.81
Burnt Sienna		
PBr7	1309-87-1	40.51
PBk11	12227-89-3	0.85
Water	7732-18-5	14.32
Glycerin	56-81-5	6.39
Acrylic Polymer Emulsion	9003-1-4	37.93
Lamp Black		
PBr7	1333-86-4	12.7
Water	7732-18-5	34.45
Glycerin	56-81-5	9.52

Acrylic Polymer Emulsion	9003-1-4	43.33
Hookers Green		
PB15	147-14-8	2.81
Water	7732-18-5	13.57
PY1	2512-29-0	9.82
Glycerin	56-81-5	6.47
Acrylic Polymer Emulsion	9003-1-4	39.28
BaSO4	7727-43-7	28.05
Phthalocyanine Green		
PG7	1328-53-6	10.53
Water	7732-18-5	13.72
Glycerin	56-81-5	6.37
Acrylic Polymer Emulsion	9003-1-4	39.13
BaSO4	7727-43-7	30.25
Cobalt Blue		
PB29	57455-37-5	3.42
PW6	13463-67-7	1.6
PB15	147-14-8	2.13
Water	7732-18-5	13.92
Glycerin	56-81-5	6.56
Acrylic Polymer Emulsion	9003-1-4	41.44
BaSO4	7727-43-7	25.93
Cerulean Blue		
PB15	147-14-8	11.13
Water	7732-18-5	13.41
PW6	13463-67-7	3.08
Glycerin	56-81-5	6.12
Acrylic Polymer Emulsion	9003-1-4	37.49
BaSO4	7727-43-7	28.77
Turquoise Blue		
PB15	147-14-8	15.5
Water	7732-18-5	12.36
PW6	13463-67-7	2.54
Glycerin	56-81-5	9.3
Acrylic Polymer Emulsion	9003-1-4	33.82
BaSO4	7727-43-7	26.48
Pale Cobalt Blue		
PB29	57455-37-5	3.42
PW6	13463-67-7	1.6
PB15	147-14-8	2.13
Water	7732-18-5	13.92
Glycerin	56-81-5	6.56
Acrylic Polymer Emulsion	9003-1-4	41.44
BaSO4	7727-43-7	25.93

Cerulean Blue pale

PB15	147-14-8	13.45
Water	7732-18-5	13.41
PW6	13463-67-7	3.08
Glycerin	56-81-5	7.12
Acrylic Polymer Emulsion	9003-1-4	34.55
BaSO4	7727-43-7	28.39

fuchsine

PR4	2814-77-9	9.37
Water	7732-18-5	13.46
PR13	6235-47-3	10.36
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	9003-1-4	35.47
BaSO4	7727-43-7	17.71
PR4	2814-77-9	6.4

Fresh Tint

PY1	2512-29-0	7.25
Water	7732-18-5	14.51
PBr7	1309-37-1	2.69
Glycerin	56-81-5	6.45
Acrylic Polymer Emulsion	9003-1-4	40.76
BaSO4	7727-43-7	28.34

Pink

PR4	2814-77-9	13.64
Water	7732-18-5	12.13
Glycerin	56-81-5	6.23
Acrylic Polymer Emulsion	9003-1-4	32.56
BaSO4	7727-43-7	35.44

Deep Gray

PR4	9000-1-5	13.23
Water	7732-18-5	25.36
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	21645-51-2	26.58
BaSO4	1333-86-4	27.6

Gray Pale

PR4	9000-1-5	15.32
Water	7732-18-5	25.36
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	21645-51-2	22.59
BaSO4	1333-86-4	29.5

Permenent Yellow

PY1	2512-29-0	15.03
PW6	13463-67-7	1.05
Water	7732-18-5	16.04

Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	9003-1-4	39.24
BaSO4	7727-43-7	21.41
Cobalt Yellow		
PY1	2512-29-0	15.03
PW6	13463-67-7	1.05
Water	7732-18-5	16.04
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	9003-1-4	35.62
BaSO4	7727-43-7	25.03
Medium Yellow		
PY1	2512-29-0	15.03
PW6	13463-67-7	1.05
Water	7732-18-5	15.73
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	9003-1-4	36.48
BaSO4	7727-43-7	24.48
Permenent Rose		
PR13	6235-47-3	7.45
Water	7732-18-5	15.47
Glycerin	56-81-5	8.16
Acrylic Polymer Emulsion	9003-1-4	41.35
BaSO4	7727-43-7	21.07
PR4	2814-77-9	6.5
Leaf Green		
PB15	147-14-8	3.35
Water	7732-18-5	13.57
PY1	2512-29-0	9.82
Glycerin	56-81-5	6.47
Acrylic Polymer Emulsion	9003-1-4	35.55
BaSO4	7727-43-7	31.24
Middle Green		
PB15	147-14-8	5.83
Water	7732-18-5	13.57
PY1	2512-29-0	10.25
Glycerin	56-81-5	6.47
Acrylic Polymer Emulsion	9003-1-4	32.64
BaSO4	7727-43-7	31.24
Sap Green		
PB15	147-14-8	4.16
Water	7732-18-5	13.57
PY1	2512-29-0	12.58
Glycerin	56-81-5	8.92
Acrylic Polymer Emulsion	9003-1-4	35.16

BaSO ₄	7727-43-7	25.61
Permanent Light Green		
PB15	147-14-8	5.62
Water	7732-18-5	16.48
PY1	2512-29-0	12.58
Glycerin	56-81-5	7.21
Acrylic Polymer Emulsion	9003-1-4	30.68
BaSO ₄	7727-43-7	27.43
Emerald Green		
PW6	13463-67-7	4.86
PG7	1328-53-6	9.12
Acrylic Polymer Emulsion	9003-1-4	36.22
BaSO ₄	7727-43-7	38.26
Water	7732-18-5	11.54
Flesh		
PY1	2512-29-0	8.13
Water	7732-18-5	14.51
PBr7	1309-37-1	3.65
Glycerin	56-81-5	9.58
Acrylic Polymer Emulsion	9003-1-4	29.36
BaSO ₄	7727-43-7	34.77
Grey		
PR4	9000-1-5	13.23
Water	7732-18-5	25.36
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	21645-51-2	24.35
BaSO ₄	1333-86-4	29.83
Mauve		
PR4	9000-1-8	10.21
Water	7732-12-6	25.36
Glycerin	56-81-5	8.32
Acrylic Polymer Emulsion	21546-50-1	24.35
BaSO ₄	1233-86-4	31.76
Green		
PW6	13463-67-7	4.86
PG7	1328-53-6	9.12
Acrylic Polymer Emulsion	9003-1-4	36.22
BaSO ₄	7727-43-7	39.25
Water	7732-18-5	10.55
Rose		
PR13	6235-47-3	7.45
Water	7732-18-5	15.47
Glycerin	56-81-5	8.16
Acrylic Polymer Emulsion	9003-1-4	39.64

BaSO4	7727-43-7	22.78
PR4	2814-77-9	6.5
Orange		
PY1	2512-29-0	15.03
PW6	13463-67-7	2.46
Water	7732-18-5	14.32
Glycerin	56-81-5	15.58
Acrylic Polymer Emulsion	9003-1-4	32.98
BaSO4	7727-43-7	19.63
Light Blue		
PB15	147-14-8	11.13
Water	7732-18-5	13.41
PW6	13463-67-7	3.08
Glycerin	56-81-5	9.16
Acrylic Polymer Emulsion	9003-1-4	30.24
BaSO4	7727-43-7	32.98
Dark Blue		
PB15	147-14-8	9.26
Water	7732-18-5	17.41
PW6	13463-67-7	6.53
Glycerin	56-81-5	9.16
Acrylic Polymer Emulsion	9003-1-4	28.48
BaSO4	7727-43-7	29.16
Deep Yellow		
PY1	2512-29-0	15.03
PW6	13463-67-7	1.05
Water	7732-18-5	15.73
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	9003-1-4	38.48
BaSO4	7727-43-7	22.48
Pale Yellow		
PY1	2512-29-0	15.03
PW6	13463-67-7	1.05
Water	7732-18-5	21.35
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	9003-1-4	31.21
BaSO4	7727-43-7	24.13
Magenta		
PR4	2814-77-9	9.37
Water	7732-18-5	13.46
PR13	6235-47-3	10.36
Glycerin	56-81-5	7.23
Acrylic Polymer Emulsion	9003-1-4	35.47
BaSO4	7727-43-7	17.71

PR4	2814-77-9	6.4
Burnt Umber		
PBr7	1333-86-4	37.42
Water	7732-18-5	15.64
Glycerin	56-81-5	7.69
Acrylic Polymer Emulsion	9003-1-4	39.25
Raw Sienna		
PBr7	1309-87-1	42.36
PBk11	12227-89-3	6.38
Water	7732-18-5	14.32
Glycerin	56-81-5	4.78
Acrylic Polymer Emulsion	9003-1-4	32.16
Light Green		
PW6	13463-67-7	4.85
PG7	1328-53-6	9.12
Acrylic Polymer Emulsion	9003-1-4	33.4
BaSO4	7727-43-7	37.26
Water	7732-18-5	15.46
Deep Green		
PW6	13463-67-7	4.85
PG7	1328-53-6	9.12
Acrylic Polymer Emulsion	9003-1-4	33.4
BaSO4	7727-43-7	42.16
Water	7732-18-5	10.47

Composition comments

4. First Aid Measures

SWALLOWED

Immediately give a glass of water.

First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

EYE

If this product comes in contact with eyes:

Wash out immediately with water.

If irritation continues, seek medical attention.

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

SKIN

If skin or hair contact occurs:

Flush skin and hair with running water (and soap if available).

Seek medical attention in event of irritation.

INHALED

If fumes or combustion products are inhaled remove from contaminated area.

Other measures are usually unnecessary.

5. Fire Fighting Measures

EXTINGUISHING MEDIA

There is no restriction on the type of extinguisher which may be used.

Use extinguishing media suitable for surrounding area.

FIRE FIGHTING

Alert Fire Brigade and tell them location and nature of hazard.
Wear breathing apparatus plus protective gloves for fire only.
Prevent, by any means available, spillage from entering drains or water courses.
Use fire fighting procedures suitable for surrounding area.
DO NOT approach containers suspected to be hot.
Cool fire exposed containers with water spray from a protected location.
If safe to do so, remove containers from path of fire.
Equipment should be thoroughly decontaminated after use.

FIRE/EXPLOSION HAZARD

Non combustible.
Not considered a significant fire risk, however containers may burn.
Decomposition may produce toxic fumes of: sulfur oxides (SO_x), metal oxides.
May emit poisonous fumes.
May emit corrosive fumes.

FIRE INCOMPATIBILITY

None known.

6. Accidental Release Measures**MINOR SPILLS**

Clean up all spills immediately.
Avoid breathing vapours and contact with skin and eyes.
Control personal contact by using protective equipment.
Contain and absorb spill with sand, earth, inert material or vermiculite.
Wipe up.
Place in a suitable, labelled container for waste disposal.

MAJOR SPILLS

Moderate hazard.
Clear area of personnel and move upwind.
Alert Fire Brigade and tell them location and nature of hazard.
Wear breathing apparatus plus protective gloves.
Prevent, by any means available, spillage from entering drains or water course.
Stop leak if safe to do so.
Contain spill with sand, earth or vermiculite.
Collect recoverable product into labelled containers for recycling.
Neutralise/decontaminate residue.
Collect solid residues and seal in labelled drums for disposal.
Wash area and prevent runoff into drains.
After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re- using.
If contamination of drains or waterways occurs, advise emergency services.

7. Handling and Storage**PROCEDURE FOR HANDLING**

Avoid all personal contact, including inhalation.
Wear protective clothing when risk of exposure occurs.
Use in a well-ventilated area.
Prevent concentration in hollows and sumps.

DO NOT enter confined spaces until atmosphere has been checked.
DO NOT allow material to contact humans, exposed food or food utensils.

Avoid contact with incompatible materials.

When handling, DO NOT eat, drink or smoke.

Keep containers securely sealed when not in use.

Avoid physical damage to containers.

Always wash hands with soap and water after handling.

Work clothes should be laundered separately. Launder contaminated clothing before re-use.

Use good occupational work practice.

Observe manufacturer's storing and handling recommendations.

Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.

SUITABLE CONTAINER

Glass container is suitable for laboratory quantities.

Polyethylene or polypropylene container.

Check all containers are clearly labelled and free from leaks.

STORAGE INCOMPATIBILITY

No known incompatibility with normal range of industrial materials.

STORAGE REQUIREMENTS

Store in original containers.

Keep containers securely sealed.

Store in a cool, dry, well-ventilated area.

Store away from incompatible materials and foodstuff containers.

Protect containers against physical damage and check regularly for leaks.

Observe manufacturer's storing and handling recommendations

SAFE STORAGE WITH OTHER CLASSIFIED CHEMICALS

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+ + + + X +

+: May be stored together

O: May be stored together with specific preventions

X: Must not be stored together

8. Exposure Controls / Personal Protection

EYE

Safety glasses with side shields; or as required,

Chemical goggles.

Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at

the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly.

HANDS/FEET

Impervious gloves.

PVC gloves.

Safety footwear.

OTHER

Overalls.

P.V.C. apron.

Barrier cream.

Skin cleansing cream.

Eye wash unit.

9. Physical & Chemical Properties

State of matter: Solid

Weight: None

Color: Different

Odor: Odorless

PH: None

Boiling Point: None

Decomposition Temperature: None

Flash point: None

Autoignition Temperature: None

Explosive Limits: None

Vapor Pressure: None

Vapor Density: None

Density: None

Solubility: None

10. Chemical Stability & Reactivity Information

CONDITIONS CONTRIBUTING TO INSTABILITY

Presence of incompatible materials.

Product is considered stable.

Hazardous polymerisation will not occur.

11. Toxicological Information

SWALLOWED

Although ingestion is not thought to produce harmful effects (as classified under EC Directives), the material may still be damaging to the health of the individual, following ingestion, especially where preexisting organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health).

Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

Considered to be non toxic.

Considered an unlikely route of entry in commercial/industrial environments.

EYE

Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort

characterised by tearing or conjunctival redness (as with windburn). Slight abrasive damage may also result. The material may produce foreign body irritation in certain individuals.

SKIN

The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models).

Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects.

Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

INHALED

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models).

Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled.

12. Ecological Information

DO NOT discharge into sewer or waterways.

13. Disposal Considerations

Recycle wherever possible or consult manufacturer for recycling options.

Consult State Land Waste Management Authority for disposal.

Bury residue in an authorised landfill.

Recycle containers if possible, or dispose of in an authorised landfill.

14. Transport Information

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG

15. Regulatory Information

None data of this material

16. Other Information

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Eurofins Product Testing Service(Shanghai) Co., Ltd Classification committee using available literature references.