

BLACKLIGHT INK WHAT'S IN IT? HEALTH HAZARDS? PLEASE READ IF YOU HAVE CONCERNS BEFORE BUYING THIS PRODUCT.

M.S.D.S. "MATERIAL SAFETY DATA SHEET"

SECTION II - No hazardous ingredients known at this time.

SECTION III - PHYSICAL DATA

Boiling range: None Vapor density: Non Volatile Evap Rate: Non Volatile Liquid Density: Heavier than water

Volatiles vol %: 00.00 Wt%: 00.00 Wgt per gallon: 11.41 Pounds Appearance: Colorless powder

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

Flammability Class: NA Flash Point: None F LEL: None UEL: None

***EXTINGUISHING MEDIA:**

Raised on the NFPA guide, use dry chemical, water or other extinguishing agent suitable for Class A fires. For large fires, use water spray or fog thoroughly drenching the burning material.

***SPECIAL FIREFIGHTING PROCEDURES:**

Clear area of personnel. Approach upwind. Wear self-contained breathing apparatus.

***UNUSUAL FIRE & EXPLOSION HAZARDS:**

As with most organic dusts there is a possibility of an explosion when an ignition source is present.

Fumes released on burning are toxic and dangerous.

***FIRST AID:**

EYES: Flush with water for at least 15 mins. While holding eyelids open.

drives, it causes gummy eggshells, weak and deep dry matter.

INGESTION: Give water, do not induce vomiting. Call a physician.

INHALATION: Remove to fresh air. Treat symptoms. Call a physician.

***TOXICOLOGY INFORMATION:**

ACUTE ORAL TOXICITY (albino rats): LD50 > 16gm/kg. **ACUTE INHALATION** (albino rats): lcd50 > 4MG/L (4 hrs **ACUTE DERMAL TOXICITY** (albino rats): LCD > 23gm/kg.

***PRIMARY ROUTE(S) OF EXPOSURE:**

EYE CONTACT: May cause a slight irritation. **SKIN CONTACT:** May cause a slight irritation.

INHALATION: Treat as a nuisance dust. Avoid breathing.

***SYMPTOMS OF EXPOSURE:** A review of available data does not identify any symptoms from exposure.

***CHRONIC:**

CARCINOGENICITY: N1? (N) **IARC MONOGRAPHS?** (N) **OSHA REGULATED?** (N)

This product contains less than 0.1% free formaldehyde & may be capable of outgassing formaldehyde at levels in excess of OSHA's action level under some conditions of use. Formaldehyde is a potential cancer hazard. Long term exposure may result in dermatitis or respiratory sensitization for sensitive individuals.

***AGGRAVATION OF EXISTING CONDITIONS:**

Respiratory allergies & diseases may be aggravated in extreme exposure.

***RESPIRATORY PROTECTION:**

In the case of levels above OSHA's PEL use a NIOSH approved respirator with the combination of a cartridge approved for formaldehyde with a dust filter.

***VENTILATION:** General ventilation for comfort conditioning is usually enough to maintain the dust within the nuisance limit of 5 mg/cu.. See **RESPIRATORY PROTECTION**

***PROTECTIVE EQUIPMENT:**

GLOVES: Required only for sensitive individuals.

EYE PROTECTION: Glasses or goggles are recommended.

SECTION VI- REACTIVITY DATA

STABILITY: () Unstable (X) Stable

HAZARDOUS POLYMERIZATION: () May occur (X) Will not occur

13-3041 NOVOPHEN RED PINK-A

400094

VERSION: 01 REVISED DATE: 04/24/1999

----- H M I S -----
 HEALTH 3
 FLAMMABILITY 1
 REACTIVITY 0
 PERSONAL PROTECTION 2

SECTION 01 - PRODUCT IDENTIFICATION

TRADE NAME: 13-3041 NOVOPHEN RED PINK-A

PRODUCT CODE: 400094

VERSION NUMBER: 01

ALPHA CODE: NOT AVAILABLE

CAS NUMBER: 2786-76-7

SYNONYMS: C.I. PIGMENT RED 170; C.I. 13476

CHEMICAL FAMILY: BENZIDOLE

FORMULA: SEE CAS #

PRIMARY PRODUCT USE: COLORANT FOR VARIOUS INDUSTRIES

SECTION 02 - COMPOSITION INFORMATION ON HAZARDOUS INGREDIENTS

INGREDIENT	CAS NO.	WT. %	REL./TLV
ROSEIN	8003-09-7	<15	NOT ESTABLISHED 0.1 MG/M ³ NIOSH (FOR FIBROLYSIS EFFECTS)
PROPRIETARY INGREDIENT		<1	NOT ESTABLISHED

SECTION 03 - HAZARD IDENTIFICATION

(REFER TO SECTION 11 FOR ADDITIONAL INFORMATION)

EXPECTED ROUTE OF ENTRY:

SKIN CONTACT: X
 SKIN ABSORPTION:
 EYE CONTACT: X
 INHALATION: X
 INGESTION:

EFFECTS OF EXPOSURE:

ROSEIN: SOME ROSEIN AND ROSEIN DERIVATIVES HAVE BEEN SHOWN TO CAUSE DERMAL AND/OR INHALATION SENSITIZATION IN TEST ANIMALS AND CERTAIN INDIVIDUALS. SYMPTOMS MAY INCLUDE: COUGH, CHEST PAIN, BREATHLESSNESS, WHEEZING AND RITTY NOSE. INHALATION OF HOT PROCESSING VAPORE MAY CAUSE IRRITATION TO THE UPPER RESPIRATORY TRACT. INGESTION OF ROSEIN HAS BEEN REPORTED TO PRODUCE SYMPTOMS OF COUGH, NIGHT SWEATS, ANOREXIA, WEIGHT LOSS, ERUPTION OF REDDISH-BLUE SCABIES ON THE LEGS AND THIGHS, AND

M A T E R I A L S A F E T Y D A T A S H E E T

AQUEOUS ACRYLIC CARBAZOLE VIOLET

Page: 1

PRODUCT NAME: AQUEOUS ACRYLIC CARBAZOLE VIOLET

HMIS CODES: H F R F

PRODUCT CODE: CIA 2134

1 1 0 0

***** SECTION I - MANUFACTURER IDENTIFICATION *****

(MANUFACTURER'S NAME):

ADDRESS :

EMERGENCY PHONE : 800-424-9300

DATE PRINTED : 09/21/00

INFORMATION PHONE : 562-420-7714

NAME OF PREPARER :

***** SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION *****

REPORTABLE COMPONENTS	CAS NUMBER	HAZARD WEIGHT PERCENT	
		as Supplied	in final form
PROPYLENE GLYCOL 2-PROPYL ESTER	1049-01-1	1.75	20.000 C
TEL - NOT ESTABLISHED			
TLS - NOT ESTABLISHED			

***** SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS *****

BOILING RANGE: 150 DEG C

WEIGHT PER GALLON: 8.59 lb/gal

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: <1

COATING V.O.C.: 104 g/l

MATERIAL V.O.C.: 31 g/l

SOLUBILITY IN WATER: MISCIBLE

APPEARANCE AND ODOR: FLUID, COLORED PASTE WITH SLIGHT OOR

***** SECTION IV - FIRE AND EXPLOSION HAZARD DATA *****

FLASH POINT: 119 DEG F

METHOD USED: SETA

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.3

UPPER: n/a

EXTINGUISHING MEDIA:

(SPECIAL WILL NOT SUPPORT COMBUSTION IN THE WET STATE.)

(SPECIAL FIREFIGHTING PROCEDURES)

USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTING. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT BOILING OVERFLOW DUE TO AN EXPLOSION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. AVOID SPARKING OPENING LIGHTS WITH WATER USED FOR COOLING.

(TYPICAL FIRE AND EXPLOSION HAZARDS)

(LAVES CONTAINING HAZ. INGREDIENTS WHEN EXPOSED TO HEAT OR FLAME DUE TO PRESSURE BUILDUP. COOL CONTAINERS WITH WATER SPRAY.)

***** SECTION V - REACTIVITY DATA *****

STABILITY: STABLE IN STORAGE

CONDITIONS TO AVOID

(INCOMPATIBILITY (MATERIALS TO AVOID))

MSDS CODE: R011

Date Revised: 07/22/2003

Prepared By: Nick Paris

Page 1 of 5

Date Printed: 2/21/2005

Reason for Revision See Section 16

(1) CHEMICAL, PRODUCT AND COMPANY IDENTIFICATION:Product Code: **206, 208, 212, 216, 218, 220**

Product Name: Ferroxide® Red, Iron Oxide Red

Chemical Family: Inorganic Metal Oxide

Synonyms: Synthetic Iron Oxide, Iron (III) Oxide

C.A.B. Number: 1309-37-1

EINECS Number: 215-168-2

Color Index Name: CI Pigment Red 101

Color Index Number: CI No. 77491

DCMA Number: 3-06-7

Formula: Fe₂O₃**Supplier's Name/Address:**

Rockwood Pigments, 7011 HairKirk Road, Beltsville, Maryland, USA 20705 Business

Tel: (301) 210-7800 9a-5p (3008-1700) EST M-F

Rockwood Pigments, 3700 E. Olympic Blvd., Los Angeles, California, USA 90023 Business

Tel: (323) 263-7312 9am-5pm (3008-1700) EST M-F

24 Hour Emergency (CHEMTREC): 800-424-9303

(2) COMPOSITION/INFORMATION ON INGREDIENTS

OSHA Hazardous Ingredients (29CFR1910.1204):

Components:	C.A.S.	%	Exposure Limits (8 Hrs.TWA)	
			OSHA PEL	ACGIH TLV
Iron Oxide Red(Fe ₂ O ₃)	1309-37-1	(Max 5%)	Not Est.	10mg/m ³

Non-Hazardous Ingredients:

Components:	C.A.S.	%	Exposure Limits (8 Hrs.TWA)	
			OSHA PEL	ACGIH TLV
Anionic Dispersants	Proprietary	(Max 3%)	Not Est.	Not Est.

(3) HAZARD IDENTIFICATION

***** EMERGENCY OVERVIEW *****

Dry, orange/red powder with little to no odor. Will not burn or react. Long term inhalation can cause lung irritation or siderosis. Packaging can burn in fire, releasing toxic gases or fumes.

HHS Codes: H-3, F-3, R-3, P-1 (0-Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe)**Potential Health Effects:**

Eye Contact: Non-irritating to the eyes. Excessive exposure to airborne dust may reduce visibility and/or cause unpleasant deposits.

Skin Contact: Will not irritate skin and is not likely to cause allergic skin reaction. Injury to the skin or mucous membranes can occur by direct mechanical action or by rigorous skin cleansing necessary for removal of dust.

Ingestion: Small amounts (a tablespoonful) swallowed are not likely to cause injury.

Ingestion of very large quantities may result in stomach ache, vomiting, intestinal obstruction and/or constipation.

Inhalation: As with all dusty materials, inhalation may cause respiratory irritation, sneezing, coughing and runny nose. Wear respirator and avoid breathing dust.

Human Effects and symptoms of overexposure:

Acute: To date, adverse health effects from exposure have not been reported among workers using this pigment. On the basis of Animal Toxicity Data (see Section 11), we would expect this product to be non-irritating to the eyes and skin and essentially non-toxic by ingestion. However, excessive exposure to airborne dust may reduce

Material Safety Data Sheet
Titanium Dioxide FCC/USP
CAS No.: 13463-67-7

Suppliers Name: _____
Address: _____
North Hollywood, CA 9160
Telephone: _____

EMERGENCY TELEPHONE NUMBER: 800-424-9300

1. Ingredients

Component	CAS #	APP %	TWA/Celling	Ref.
Titanium dioxide	13463-67-7	92-100	10 mg/M ³	ACGIH
Aluminum hydroxide	21645-51-2	0-8	None	OSHA/ACGIH
Silica, amorphous	7631-86-9	0-8	10 mg/M ³	ACGIH

2. Physical Data

Melting Point (range) Approx: 1830-1850°C
Boiling Point: 2500-3000°C
Decomposition Temperature: NA
pH (Depends on Quality): NA
Solubility in Water: Insoluble
Odor: None
Appearance: White Powder
Vapor Pressure: NA

3. Fire and Explosion Information

Flash Point: NA
(Auto)ignition Temperature: NA
Extinguishing Media to be recommended: Material will not burn
Extinguishing Media to be avoided: NA
Special Fire and Explosions Precautions: NA

4. Reactivity Data

Stable: Yes
Hazardous Decomposition: Material will not decompose
Hazardous Polymerization: NA

Code: 237-499
Date: 03/18/93
Printed 03/18/93

MATERIAL SAFETY DATA SHEET

Product:

ORANGE 2915

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name :
Chemical Name : O-DIANISIDINE COUPLED WITH ACETOACETANILIDE
Formula : C.I. 21180
Product CAS # : INGREDIENT IN TSCA INVENTORY; 8506-38-8
Supplier :

Address :
City, St, Zip :
Phone :

EMERGENCY PHONE #: 1-800-424-9300 (CHEMTREC)

SECTION II COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	% WT. PEL-OSHA	TLV-AACGIH
NOT APPLICABLE CAS# IN TSCA	- None Established	None Established

INGREDIENT NOTES

May cause mechanical irritation to eyes.

SECTION III: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Orange fine powder

Odorless

Flash Point: Not Determined

MATERIAL SAFETY DATA SHEET

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

Product Code: 9095PD DYN-Q-MITE RED #1

Use Description

Reformulated pigment dispersions are unique, highly colored products incorporating high pigment loading with typically low levels of resin or surfactant.

2. COMPOSITION/INFORMATION ON INGREDIENTS

TSRN 00195201005-3109P

SCARLET NAPHTHOL AZO PIGMENT

Water

C.A.S.# *TRADE SECRET

C.A.S.# 16403-84-2

C.A.S.# 7732-18-5

This product is primarily composed of organic pigment and water, and is not considered to be a hazardous substance as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200). It is not classified according to relevant EEC Directives.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION:

Do not allow large amounts to enter sewers, lakes, streams, or other natural waterways. This product contains a surfactant which can cause foaming and may be toxic to aquatic life.

POTENTIAL HEALTH EFFECTS

This dispersion is not expected to pose a significant health hazard under normal conditions of use and industrial hygiene practices.

**Material Safety Data Sheet
(PROPYLENE GLYCOL)**

JMN Specialties, Inc.

1100 Victory Drive
Westwego, LA 70094
(504) 341-3749
ISO 9002 Registered

HMS HEALTH:.....0
HMS FLAMMABILITY:.....1
HMS REACTIVITY:.....0
PERSONAL PROTECTION: ...C

EMERGENCY NUMBER:.....800-255-3924

SECTION 1 – IDENTIFICATION OF CHEMICAL PRODUCT

PRODUCT NAME:.....PROPYLENE GLYCOL
EFFECTIVE DATE:.....August 31, 2000
CHEMICAL FAMILY:.....Glycol
FORMULA:.....Proprietary
CAS NUMBER:.....112-27-6

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	TLV	PEL
1, 2-Propanediol	100	57-55-6		None Established by ACGIH or OSHA.

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE / ODOR:.....Clear Liquid/Mild Odor

SHORT TERM EXPOSURE:.....**GENERAL:** Liquid or vapors may be irritating to skin and eyes. **INHALATION:** High concentrations of vapor may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, possibly with chest pain and coughing. Headache, nausea, vomiting, dizziness, and drowsiness may occur. **EYES:** May cause mild to severe irritation experienced as discomfort or pain, excess blinking and tear production, possibly with marked redness and swelling of the conjunctiva. **SKIN:** Brief contact may cause slight irritation with itching and local redness. Prolonged contact, especially with concentrate, may cause more severe irritation, with discomfort or pain. **SWALLOWING:** May cause headache, dizziness, incoordination, nausea, vomiting, diarrhea, and general weakness.

OSHA REGULATED:.....No

LISTED CARCINOGEN:.....N/A: No

IARC MONOGRAPHS: No

POTENTIAL HEALTH EFFECTS

INHALATION:.....Irritant

INGESTION:.....Irritant

SKIN (DERMAL):.....Slight Irritant After Prolonged Contact

OVER EXPOSURE EFFECTS:.....No evidence of adverse effects from available information. Over exposure to vapors generated at high temperatures may result in eye and respiratory tract irritation and in the inhalation of harmful amounts of material.

Material Safety Data Sheet

PRELIMINARY VERSION

Page : 1

BAEY CORPORATION
 COLORANTS & TEXTILE/LEATHERS CHEM.
 4310 CHESTNUT DRIVE
 CHARLOTTE, NC 28214
 (800) 433-4739

Original Date: 05/21/1999

EMERGENCY TELEPHONE: (800) 434-9300 CHEMTREC

(800) 812-HELP (BAEY Hotline)

BOTH NUMBERS ARE AVAILABLE DAYS, NIGHTS, WEEKENDS, & HOLIDAYS.

SECTION 1 - PRODUCT INFORMATION

FALIGEN® Violet L 5893

Product ID: HLE 349091

Common Chemical Name:

Substituted Phenodioxazine

Synonyms:

C.I. Pigment Violet 23, C.I. 51110 # Powder

Molecular Formula:

C14H8O2N2

Product Use: R & D Product

Chemical Family: Phenodioxazine

Molecular Wt.: 268.2

SECTION 2 - INGREDIENTS

Chemical Name:	CAS	Amount
C.I. Pigment Violet 23	51110-1	100.0 %
TOTAL OF INGREDIENTS		

SECTION 3 - PHYSICAL PROPERTIES

Color: Green
 Form/Appearance: Powder
 Odor: Odorless

	Typical	Low/High	U.O.M.
Specific Gravity:	NOT AVAILABLE		
Bulk Density:	1.32		G/CC
pH:		5 - 8	25

	Typical	Low/High	Deg.	#	Pressure
Boiling Pt:	NOT AVAILABLE				
Freezing Pt:	NOT AVAILABLE				
Decomp. Temp:	> 320		C	1	ATMOSPHERES
Solubility in Water	Description: Insoluble				

SECTION 4 - FIRE AND EXPLOSION DATA

	Typical	Low/High	Deg.	Method
Flash Point:	NOT AVAILABLE			
Autoignition:	> 320		C	NOT SPECIFIED

M A T E R I A L S A F E T Y D A T A S H E E T

AQUEOUS BURNT UMBER

PRODUCT NAME: AQUEOUS BURNT UMBER
PRODUCT CODE: CND 4063

HMIS CODES: H P R P
1 1 0 0

***** SECTION I - MANUFACTURER IDENTIFICATION *****

MANUFACTURER'S NAME:
ADDRESS:

EMERGENCY PHONE : 800-424-9300
INFORMATION PHONE : 562-420-7714

DATE PRINTED : 09/21/06
NAME OF PREPARER :

***** SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION *****

HAZARDOUS INGREDIENTS	CAS NUMBER	% BY WEIGHT		HEALTH HAZARD
		AS SHIPPED	AS USED	
SILICA DIOXIDE-AMORPHOUS (REL: 10 PPM (1000 mg/kg)) TLV: 50000 mg (1000 mg/kg) REL: 10 mg/m ³ TWA (SILOICA-QUARTZ) TLV: 0.1 mg/m ³ TWA TLV: 1 mg/m ³ TWA (ORGANIC DUST & COMPOUND)	1312-98-4	95%	95%	2H, 2I
Carbon Black (REL: 3.6 mg/m ³)	1312-98-4	0%	0%	3, 12

* Indicates toxic chemical(s) subject to the reporting requirements of section 310 of Title 291 and of 49 CFR 310.
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***** SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS *****

BOILING RANGE: 365 DEG F	WEIGHT PER GALLON: 10.63 lb/gal
VAPOR DENSITY: HEAVIER THAN AIR	EVAPORATION RATE: =1
COATING V.O.C.: 236 g/l	MATERIAL V.O.C.: 44 g/l
SOLUBILITY IN WATER: MISCIBLE	
APPEARANCE AND ODOR: FLUID, COLORED PASTE WITH SLIGHT ODOR	

***** SECTION IV - FIRE AND EXPLOSION HAZARD DATA *****

FLASH POINT: 211 DEG F	METHOD USED: TCC
>FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 2.6	UPPER: 12.6

EXTINGUISHING MEDIA:

WATER WILL NOT SUPPORT COMBUSTION IN THE WET STATE.

SPECIAL FIREFIGHTING PROCEDURES

USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTING. WATER SPRAY MAY BE USED FOR COOLING. CONTAINERS TO BE KEPT UPRIGHT UNTIL FULLY DEPLETED OR EXHAUSTION OF VAPOR HAS BEEN DETERMINED TO BE NEARLY COMPLETE. AVOID SPRAYING BURNING LIQUIDS WITH WATER USED FOR COOLING.

UNUSUAL FIRE AND EXPLOSION HAZARDS

LIQUID CONTAINERS MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME DUE TO PRESSURE BUILDUP. COOL CONTAINERS WITH WATER SPRAY.

AQUEOUS IN-PLANT N.F. BLACK

Page: 1

PRODUCT NAME: AQUEOUS IN-PLANT N.F. BLACK

HMIS CODES: H F R P

PRODUCT CODE: CND 7048

1 1 0 0

***** SECTION I - MANUFACTURER IDENTIFICATION *****

MANUFACTURER'S NAME:

ADDRESS:

EMERGENCY PHONE : 800-424-9300

DATE PRINTED : 09/21/06

INFORMATION PHONE : 562-420-7714

NAME OF PREPARER :

***** SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION *****

HAZARDOUS COMPONENTS	CAS NUMBER	PERCENTAGE	
		BY WEIGHT	BY VOLUME
- Carbon Black	1333-28-2	50	50
Pig 3.0 (N70)			
- Polyethylene Glycol	25-01-2	20	20
Pig 100 (M100)			

40

41

***** SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS *****

MELTING RANGE: 365 DEG F

WEIGHT PER GALLON: 9.95 lb/gal

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: <1

HEATING V.O.C.: 117 g/l

MATERIAL V.O.C.: 52 g/l

SOLUBILITY IN WATER: MISCIBLE

APPEARANCE AND ODOR: FLUID, COLORED PASTE WITH SLIGHT ODOR

***** SECTION IV - FIRE AND EXPLOSION HAZARD DATA *****

FLASH POINT: 211 DEG F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 2.6

UPPER: 12.6

EXTINGUISHING MEDIA:

*WATER WILL NOT SUPPRESS COMBUSTION ON THE HOT STATE.

SPECIAL FIREFIGHTING PROCEDURES

USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD-UP AND AUTOIGNITION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. ACID SPRAYING SHOULD LIGHTLY WITH WATER USED FOR COOLING.

UNUSUAL FIRE AND EXPLOSION HAZARDS

GLASS CONTAINERS MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME DUE TO PRESSURE BUILDUP. COOL CONTAINERS WITH WATER SPRAY.

***** SECTION V - REACTIVITY DATA *****

STABILITY: MATERIAL IS STABLE.

CONDITIONS TO AVOID

M A T E R I A L S A F E T Y D A T A S H E E T

AQUEOUS IN-PLANT ORGANIC YELLOW

Page: 1

PRODUCT NAME: AQUEOUS IN-PLANT ORGANIC YELLOW
PRODUCT CODE: CWD 3029

HMIS CODES: H F H F
1 1 0 B

***** SECTION I - MANUFACTURER IDENTIFICATION *****

MANUFACTURER'S NAME:
ADDRESS :

EMERGENCY PHONE : 800-424-9300
INFORMATION PHONE : 562-428-7714

DATE PRINTED : 09/21/06
NAME OF PREPARER :

***** SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION *****

HAZARDOUS INGREDIENTS	CAS NUMBER	THRESHOLD LIMITS		WEIGHT PERCENT
		ppm	%	
Hydrogen Peroxide	77-82-1	10	1000	10
REL. NOT ESTABLISHED				

***** SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS *****

BOILING RANGE: 365 DEG F	WEIGHT PER GALLON: 10.17 lb/gal
VAPOR DENSITY: HEAVIER THAN AIR	EVAPORATION RATE: <1
WATING V.G.C.: 293 g/l	MATERIAL V.G.C.: 189 g/l
SOLUBILITY IN WATER: MISCIBLE	
APPEARANCE AND ODOR: FLUID, COLORED PASTE WITH SLIGHT ODOR	

***** SECTION IV - FIRE AND EXPLOSION HAZARD DATA *****

FLASH POINT: 211 DEG F	METHOD USED: TOC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 2.6	UPPER: 12.6

EXTINGUISHING MEDIA:

MATERIAL WILL NOT SUPPORT COMBUSTION IN THE NET STATE.

SPECIAL FIREFIGHTING PROCEDURES

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTING. WATER SPRAYS MAY BE USED FOR COOLING OPERATIONS TO AVOID POSSIBLE BLENDING BUILD-UP AND AGGLOMERATION OR EXPLOSION WHEN EXPOSED TO EXTREME HEAT. AVOID SPRAYING HAZARDOUS LIQUID WITH WATER USED FOR COOLING.

UNUSUAL FIRE AND EXPLOSION HAZARDS

HAZARD OPERATIONS MAY BEHAVE WHEN EXPOSED TO HEAT OR FLAME DUE TO PRESSURE BUILDUP. COOL CONTAINERS WITH WATER SPRAY.

***** SECTION V - REACTIVITY DATA *****

STABILITY: STABLE IN STORAGE.
CONDITIONS TO AVOID

INCOMPATIBILITY (MATERIALS TO AVOID)

AVOID MIXING WITH OTHER CHEMICALS OR REDUCING AGENTS.

MATERIAL SAFETY DATA SHEET

AQUEOUS PIGMENT YELLOW 65

Page: 1

PRODUCT NAME: AQUEOUS PIGMENT YELLOW 65
PRODUCT CODE: CWD 3001

HMIS CODES: H P F P
1 1 0 3

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME:
ADDRESS:

EMERGENCY PHONE : 800-424-9300
INFORMATION PHONE : 562-420-7714

DATE PRINTED : 09/21/06
NAME OF PREPARER :

SECTION II - HAZARDOUS INGREDIENTS/MSDS III INFORMATION

HAZARDOUS COMPONENT	CAS NUMBER	HAZARD CLASSIFICATION	PERCENT
Propylene Glycol	57-55-4		10
TEL NOT ESTABLISHED			

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00

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 145 DEG F	WEIGHT PER GALLON: 10.22 lb/gal
VAPOR DENSITY: HEAVIER THAN AIR	EVAPORATION RATE: <1
COATING V.O.C.: 268 g/l	MATERIAL V.O.C.: 123 g/l
SOLUBILITY IN WATER: MISCIBLE	
APPEARANCE AND ODOR: FLUID, COLORED PASTE WITH SLIGHT ODOR	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 311 DEG F	METHOD USED: TCC
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 2.6	UPPER: 12.6

EXTINGUISHING MEDIA:

GENERAL WILL NOT SUPPORT COMBUSTION IN THE HOT STATE.

SPECIAL FIREFIGHTING PROCEDURES

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. WATER SPRAYS MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD-UP AND DETONATION OR EXPLOSION WHEN EXPOSED TO EXCESSIVE HEAT. AVOID SPREADING SPILLAGE LIQUID WITH SLANG HOSE FOR COOLING.

UNUSUAL FIRE AND EXPLOSION HAZARDS

FLAMMABLE CONTAINERS MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME DUE TO PRESSURE BUILDUP. COOL CONTAINERS WITH WATER SPRAY.

SECTION V - REACTIVITY DATA

STABILITY: STABLE IN STORAGE.
CONDITIONS TO AVOID

00

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID MIXING WITH OTHER SOLIDORS OR SOLVENTS.

M A T E R I A L S A F E T Y D A T A S H E E T

AS ACRYLIC LF YELLOW

Page: 1

PRODUCT NAME: AQUEOUS ACRYLIC LF YELLOW
PRODUCT CODE: CIA 3111

HMIS CODES: H P H P
1 1 0 0

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME:
ADDRESS:

EMERGENCY PHONE : 800-424-9300
INFORMATION PHONE : 542-420-7714

DATE PRINTED : 02/21/06
NAME OF PREPARER :

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS INGREDIENTS

HYDROLYZABLE ALKYL 9-PROPYL STYRENE
TEL: NOT ESTABLISHED
TLV: NOT ESTABLISHED

CAS NUMBER % BY WEIGHT
OR % BY VOLUME PERCENT

1228-02-1 1.75 20.000 C 1

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 150 DEG C
VAPOUR DENSITY: HEAVIER THAN AIR
COATING V.O.C.: 84 g/l
SOLUBILITY IN WATER: MISCIBLE
APPEARANCE AND ODOR: FLUID, COLORED PASTE WITH SLIGHT OOR

WEIGHT PER GALLON: 10.28 lb/gal
EVAPORATION RATE: <1
MATERIAL V.O.C.: 87 g/l

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 119 DEG F

METHOD USED: NETA
UPPER: n/a

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.3

EXTINGUISHING MEDIA:

MATERIAL WILL NOT SUPPORT COMBUSTION IN THE OPEN STATE.

SPECIAL FIREFIGHTING PROCEDURES

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD-UP AND ATTENTION ON EXPLOSION HAZARD SHOULD TO EXTEND HEAT. AVOID SPRAYING SPRAYING LIQUID WITH FALSI USED FOR COOLING.

USUAL FIRE AND EXPLOSION HAZARDS

CONTAINER MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME DUE TO PRESSURE BUILDUP. CYCL CONTAINED WITH WATER SPRAY.

SECTION V - REACTIVITY DATA

STABILITY: MATERIAL IS STABLE.
CONDITIONS TO AVOID

INCOMPATIBILITY (MATERIALS TO AVOID)

M A T E R I A L S A F E T Y D A T A S H E E T

JS ACRYLIC LF YELLOW

Page: 1

PRODUCT NAME: AQUEOUS ACRYLIC LF YELLOW
PRODUCT CODE: CIA 3111

HMIS CODES: H F P P
1 1 0 8

SECTION I - MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME:
ADDRESS:

EMERGENCY PHONE : 800-424-9308
INFORMATION PHONE : 842-420-7714

DATE PRINTED : 09/21/06
NAME OF PREPARER :

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

CAS OR OTHER IDENTIFI	CAS NUMBER	HAZARD CLASSIFICATION		HEALTH HAZARD
		SC	SI	
1,1-DIETHYL ETHYLENE DIISOCYANATE	1002-91-1	1.70	20	2 C
REL: NOT ESTABLISHED				
TLV: NOT ESTABLISHED				

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 150 DEG C	WEIGHT PER GALLON: 10.36 lb/gal
VAPOR DENSITY: HEAVIER THAN AIR	EVAPORATION RATE: <1
COATING V.O.C.: 84 g/l	MATERIAL V.O.C.: 37 g/l
SOLUBILITY IN WATER: MISCIBLE	
APPEARANCE AND ODOR: FLUID, COLORED PASTE WITH SLIGHT ODOR	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 119 DEG F	METHOD USED: SETA
FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 1.1	UPPER: n/a

EXTINGUISHING MEDIA:

WATERMAY BE USED TO EXTINGUISH FIRE IN THE LIQUID STATE.

SPECIAL FIREFIGHTING PROCEDURES

USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTING. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD-UP AND EXPLOSION WHEN EXPOSED TO EXTREME HEAT. AVOID SPRAYING DANGEROUS LIQUIDS WITH FORTH BLENDS FOR COOLING.

UNUSUAL FIRE AND EXPLOSION HAZARDS

EMPTY CONTAINERS MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME DUE TO REMAINING RESIDUE. COOL CONTAINERS WITH WATER SPRAY.

SECTION V - REACTIVITY DATA

STABILITY: MATERIAL IS STABLE.
CONDITIONS TO AVOID

INCOMPATIBILITY (MATERIALS TO AVOID)

M A T E R I A L S A F E T Y D A T A S H E E T

AQUEOUS IN-PLANT WHITE

PRODUCT NAME: AQUEOUS IN-PLANT WHITE

HMIS CODES: H F R P

PRODUCT CODE: CWD 1012

1 1 0 0

----- SECTION I - MANUFACTURER IDENTIFICATION -----

MANUFACTURER'S NAME:

ADDRESS :

EMERGENCY PHONE : 800-424-9300

DATE PRINTED : 09/21/06

INFORMATION PHONE : 562-420-7714

NAME OF PREPARER :

----- SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION -----

HAZARDOUS COMPONENTS

CAS NUMBER

TIKAL PERCENTAGE
OR BY VOLUME

WEIGHT
PERCENT

HYDROGEN CYANIDE

67-52-4

20

45 000 P 2

SEE SDS SUPPLEMENT

----- SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS -----

BOILING RANGE: 365 DEG F

WEIGHT PER GALLON: 17.32 lb/gal

VAPOR DENSITY: HEAVIER THAN AIR

EVAPORATION RATE: <1

COATING V.O.C.: 224 g/l

MATERIAL V.O.C.: 109 g/l

SOLUBILITY IN WATER: MISCIBLE

APPEARANCE AND ODOR: FLUID, COLORED PASTE WITH SLIGHT ODOR

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

MELT POINT: 311 DEG F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER: 2.6 UPPER: 12.6

EXTINGUISHING MEDIA:

MATERIAL WILL NOT SUPPORT COMBUSTION IN THE NET STATE.

SPECIAL FIREFIGHTING PROCEDURES

THE USE OF SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIRE FIGHTERS. WATER SPRAY MAY BE USED FOR COOLING CONTAINERS TO PREVENT POSSIBLE PRESSURE BUILD-UP AND MITIGATION OF EXPLOSION WHEN EXPOSED TO EXTREME HEAT. AVOID BREATHING VAPORS LIQUID WITH WATER USED FOR COOLING.

UNUSUAL FIRE AND EXPLOSION HAZARDS

LIQUID CONTAINERS MAY EXPLODE WHEN EXPOSED TO HEAT OR FLAME DUE TO PRESSURE BUILDUP. COOL CONTAINERS WITH WATER SPRAY.

----- SECTION V - REACTIVITY DATA -----

STABILITY: STABLE IN STORAGE.

CONDITIONS TO AVOID

INCOMPATIBILITY (MATERIALS TO AVOID)

AVOID MIXING WITH STRONG OXIDIZERS OR REDUCING AGENTS.