

DEC-29-99 08:16 FROM: HUNT/CUST. SERVICE

ID: 7048710115

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[63611-81]
-82

20426-1009
-1209

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-81387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

Rcvd 12-29-99

SECTION I

MANUFACTURER'S NAME CONTE	EMERGENCY TELEPHONE NO. FRANCE 21.31.81.24 TELEX : 160 187
ADDRESS (Number, Street, City, State, and ZIP Code) FACTORY : 382 RUE HENRY MORY - E.P. 2 62830 SAMER	
CHEMICAL NAME AND SYNONYMS TRADE NAME AND SYNONYMS: CONTE A PARIS Pierre Noire black lead Pencil n°1710	
CHEMICAL FAMILY	FORMULA: See * (5 degrees: H-HB-B-2B-3B)

SECTION II - HAZARDOUS INGREDIENTS

* PAINTS, PRESERVATIVES, & SOLVENTS	X	TLV Z (Unit)	ALLOYS AND METALLIC COATINGS	X	TLV (Unit)
PIGMENTS: depend on degreasers Black 7 + Carbon black		41,2 → 54,6	BASE METAL		/
CATALYST: /			ALLOYS		/
VEHICLE: Cellulosic ether and clay		0,7 → 1	METALLIC COATINGS		/
SOLVENTS: /			FILLER METAL PLUS COATING OR CORE FLUX		/
ADDITIVES: Siliceous alumine clay		44 → 58,5	OTHERS		/
OTHERS: /					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				X	TLV (Unit)
/					

V.2260

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	/	SPECIFIC GRAVITY (H ₂ O=1)	1,1 → 1,5
VAPOR PRESSURE (mm Hg.)	/	PERCENT VOLATILE BY VOLUME (%)	/
VAPOR DENSITY (AIR=1)	/	EVAPORATION RATE	/
SOLUBILITY IN WATER	/		
APPEARANCE AND ODOR	SOLID NO ODOR		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (MILLIGRAMS)	NOTHING TO REPORT	FLAMMABLE LIMITS	L: / U: /
EXTINGUISHING MEDIA	WATER		
SPECIAL FIRE FIGHTING PROCEDURES	NOTHING TO REPORT		
UNUSUAL FIRE AND EXPLOSION HAZARDS	NOTHING TO REPORT		

Item Numbers: 20426-1009, 20426-1209
 Pigments: - Black 7 → Colour Index: 77266
 - carbon black

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ID:7048/10115

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	NO TRESHOLD LIMIT
EFFECTS OF OVEREXPOSURE	NOTHING TO REPORT
EMERGENCY AND FIRST AID PROCEDURES	

SECTION VI REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS		NOTHING TO REPORT	
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
NOTHING TO REPORT	
WASTE DISPOSAL METHOD	
NOTHING TO REPORT	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type)		NOTHING TO REPORT	
VENTILATION	LOCAL EXHAUST	NOTHING TO REPORT	SPECIAL NOTHING TO REPORT
	MECHANICAL (General)	NOTHING TO REPORT	OTHER NOTHING TO REPORT
PROTECTIVE GLOVES		NOTHING TO REPORT	EYE PROTECTION /
OTHER PROTECTIVE EQUIPMENT			
NOTHING TO REPORT			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
NOTHING TO REPORT	
OTHER PRECAUTIONS	

20425-0222-0002,
EXCEPT
-8009 -8411 -1001
-8086 -8419 -1009
OMB No. 44-13347

FOR REFERENCES 1710 8500 8610 8620 8710 8620

{ 63610-01 -05 -06 -08 -04 }	U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration	63610-01 -05 -06 -08 -14
	<h1>MATERIAL SAFETY DATA SHEET</h1>	
	Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)	

SECTION I	
MANUFACTURER'S NAME CONTE S.A	EMERGENCY TELEPHONE NO.
ADDRESS (Number, Street, City, State, and ZIP Code) Le forestier 42630 REGNY FRANCE	
CHEMICAL NAME AND SYNONYMS PIERRE NOIRE LEAD REF 1710	TRADE NAME AND SYNONYMS LEAD REF 1710
CHEMICAL FAMILY	FORMULA CARBON BLACK SYNTHETIC AND MINERAL RAW MATERIAL

SECTION II - HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	X	TLV 2 (Unit)	ALLOYS AND METALLIC COATINGS	X	TLV (Unit)
PIGMENTS		1,1,1,5,6	BASE METAL		
CATALYST			ALLOYS		
VEHICLE		0,7,2	METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS		4,5,5			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				X	TLV (Unit)

SECTION III - PHYSICAL DATA			
BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	1,1-1,5
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (1=1)	N/A
SOLUBILITY IN WATER	N/A		
APPEARANCE AND ODOR	SOLID NO ODOR		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	Li Li
EXTINGUISHING MEDIA	WATER		
SPECIAL FIRE FIGHTING PROCEDURES	NO		
UNUSUAL FIRE AND EXPLOSION HAZARDS	NO		

W0022-V

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	NO THRESHOLD LIMIT
EFFECTS OF OVEREXPOSURE	N/A
EMERGENCY AND FIRST AID PROCEDURES	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS		N/A	
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
N/A	
WASTE DISPOSAL METHOD	
N/A	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type)		N/A	
VENTILATION	LOCAL EXHAUST	SPECIAL	N/A
	MECHANICAL (General)	OTHER	N/A
PROTECTIVE GLOVES		EYE PROTECTION	
N/A			
OTHER PROTECTIVE EQUIPMENT			
N/A			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
N/A	
OTHER PRECAUTIONS	

FOR REFERENCES 630 8610 8620 8624 8500 - * 20425-1009 *
 (63610-30)

U.S. DEPARTMENT OF LABOR
 Occupational Safety and Health Administration

Form Approved
 OMB No. 44-R1367

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
 Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME CONTE S.A	EMERGENCY TELEPHONE NO.
ADDRESS (Number, Street, City, State, and ZIP Code) Le forestier 42630 REGNY FRANCE	
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS FINE DESSIN BLANC Ref 630
CHEMICAL FAMILY	FORMULA SYNTHETIC AND MINERAL RAW MATERIALS

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	x	TLV (Units)	ALLOYS AND METALLIC COATINGS	x	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE		7.6	METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS		98.4			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				x	TLV (Units)
/					

V-2260M

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	2.5, 2.6
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT. VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ = 1)	N/A
SOLUBILITY IN WATER	N/A		
APPEARANCE AND ODOR	SOLID NO ODOR		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	WATER			
SPECIAL FIRE FIGHTING PROCEDURES	NO			
UNUSUAL FIRE AND EXPLOSION HAZARDS	NO			

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SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	NO THRESHOLD LIMIT
EFFECTS OF OVEREXPOSURE	N/A
EMERGENCY AND FIRST AID PROCEDURES	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS		N/A	
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
N/A	
WASTE DISPOSAL METHOD	
N/A	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type)		N/A	
VENTILATION	LOCAL EXHAUST	SPECIAL	N/A
	MECHANICAL (General)	OTHER	N/A
PROTECTIVE GLOVES	N/A	EYE PROTECTION	
OTHER PROTECTIVE EQUIPMENT		N/A	

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
N/A	
OTHER PRECAUTIONS	

REFERENCES (617) 6610 6690 6694 6500 20425-8089/4
-8081

(63610-17) U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration
MATERIAL SAFETY DATA SHEET
Form Approved OMB No. 44-R1387
63610-17

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME: **CONTE S.A.** EMERGENCY TELEPHONE NO.

ADDRESS (Number, Street, City, State, and ZIP Code): **Le Forestier 42630 REGNY FRANCE**

CHEMICAL NAME AND SYNONYMS: **Prime SEP1A Ref 617**

CHEMICAL FAMILY: **IRON OXIDE SYNTHETIC AND MINERAL RAW MATERIALS**

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS		53,5	BASE METAL		
CATALYST			ALLOYS		
VEHICLE		1,1	METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS		40,4			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Unit)

V-2260M

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	19.20
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ -1)	N/A
SOLUBILITY IN WATER	N/A		
APPEARANCE AND ODOR	SOLID NO ODOR		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	WATER			
SPECIAL FIRE FIGHTING PROCEDURES	NO			
UNUSUAL FIRE AND EXPLOSION HAZARDS	NO			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	NO THRESHOLD LIMIT
EFFECTS OF OVEREXPOSURE	N/A
EMERGENCY AND FIRST AID PROCEDURES	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS		N/A	
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
N/A	
WASTE DISPOSAL METHOD	
N/A	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type)		N/A	
VENTILATION	LOCAL EXHAUST	SPECIAL	N/A
	MECHANICAL (General)	OTHER	N/A
PROTECTIVE GLOVES	N/A	EYE PROTECTION	
OTHER PROTECTIVE EQUIPMENT		N/A	

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
N/A	
OTHER PRECAUTIONS	

FOR REFERENCE: 610 9500 9610 9620 9634

20425-8919
-8911

(63610-10)

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-8113

MATERIAL SAFETY DATA SHEET

63610-10

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME CONTE S.A		EMERGENCY TELEPHONE NO.
ADDRESS (Number, Street, City, State, and ZIP Code) Le Forestier 42630 REGNY FRANCE		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS MINE SANGUINE Pt 6.0	
CHEMICAL FAMILY	FORMULA IRON OXIDE SYNTHETIC AND MINERAL PAINT MATERIAL	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Unit)	ALLOYS AND METALLIC COATINGS	%	TLV (Unit)
PIGMENTS		41.3	BASE METAL		
CATALYST			ALLOYS		
VEHICLE		1.3	METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS		57.5			
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Unit)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H ₂ O=1)	1.9 - 2.0
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (1=1)	N/A
SOLUBILITY IN WATER	N/A		
APPEARANCE AND ODOR	SOLID NO ODOR		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Methoq used)	N/A	FLAMMABLE LIMITS	L ₁	U ₁
EXTINGUISHING MEDIA	WATER			
SPECIAL FIRE FIGHTING PROCEDURES	NO			
UNUSUAL FIRE AND EXPLOSION HAZARDS	NO			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	NO THRESHOLD LIMIT
EFFECTS OF OVEREXPOSURE	N/A
EMERGENCY AND FIRST AID PROCEDURES	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS		N/A	
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
N/A	
WASTE DISPOSAL METHOD	
N/A	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type)		N/A	
VENTILATION	LOCAL EXHAUST	SPECIAL	N/A
	MECHANICAL (General)	OTHER	N/A
PROTECTIVE GLOVES	N/A	EYE PROTECTION	
OTHER PROTECTIVE EQUIPMENT		N/A	

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
N/A	
OTHER PRECAUTIONS	

(63612 - all codes)

20201-1000 -2110
 - 1030 -2120
 - 1110 -2412
 - 3050

U.S. DEPARTMENT OF LABOR
 Occupational Safety and Health Administration
MATERIAL SAFETY DATA SHEET

Form Approved
 OSHA No. 14-11337
 63612-all
 codes
 -8252
 -8612
 -8712
 -8812
 -8912

Required under USOL Safety and Health Regulations for Ship Repairing,
 Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME CONTE		EMERGENCY TELEPHONE NO. FRANCE 21.31.01.24 TELEX : 150.187	
ADDRESS (Number, Street, City, State, and ZIP Code)		FACTORY : 382 RUE HENRY MOUV - D.P. 2 62850 SAHER	
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS CONTE SANGUINE	
CHEMICAL FAMILY		FORMULA SMA GISTE	

SECTION II - HAZARDOUS INGREDIENTS

* PAINTS, PRESERVATIVES, & SOLVENTS	X	TLV Z (mg/m ³)	ALLOYS AND METALLIC COATINGS	X	TLV (Units)
PIGMENTS White 6 + Red 10 + Yellow 4C + manganese iron oxide		41.5-57.3	BASE METAL		/
CATALYST			ALLOYS		/
VEHICLE Cellulosic ether and aluminum silicate		84-1	METALLIC COATINGS		/
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		/
ADDITIVES Siliceous alumina clay + calcium carbonate		3.7-5.4	OTHERS		/
OTHERS Stearate		± 0			

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

Form It Fax Note 76/1	Date 11/15	Page 2
To: PIRNE	From: CONTE	
Company:	Co: Frank	
Phone:	Phone:	
Fax:	Fax:	

PHYSICAL DATA

BOILING POINT (°C)	/	SPECIFIC GRAVITY (M ₂₀ 4-11)	1.7 / 2.1
VAPOR PRESSURE (mm Hg)	/	PERCENT VOLATILE BY VOLUME (%)	/
VAPOR DENSITY (AIR=1)	/	EVAPORATION RATE	/
SOLUBILITY IN WATER	/		
APPEARANCE AND ODOR	SOLID NO ODOR		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (CLOUZEUX)	NOTHING TO REPORT	FLAMMABLE LIMITS	/	Li	Uv
EXTINGUISHING MEDIA	WATER				
SPECIAL FIRE FIGHTING PROCEDURES	NOTHING TO REPORT				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	NO THRESHOLD LIMIT
EFFECTS OF OVEREXPOSURE	NOTHING TO REPORT
EMERGENCY AND FIRST AID PROCEDURES	

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS		NOTHING TO REPORT	
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	NOTHING TO REPORT
WASTE DISPOSAL METHOD	NOTHING TO REPORT

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		NOTHING TO REPORT	
VENTILATION	LOCAL EXHAUST	NOTHING TO REPORT	SPECIAL NOTHING TO REPORT
	MECHANICAL (General)	NOTHING TO REPORT	OTHER NOTHING TO REPORT
PROTECTIVE GLOVES	NOTHING TO REPORT	EYE PROTECTION	/
OTHER PROTECTIVE EQUIPMENT		NOTHING TO REPORT	

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE	NOTHING TO REPORT
OTHER PRECAUTIONS	/