21937-XXXX

Terry Ludwig Pastels, LLC Safety Data Sheet

Pastels for painting:

Revision Date: August 30, 2018 Date Printed: August 30, 2018

Section 1, Identification

Product identifier A010 SUN26, A020 SUN29, A040 SUN27, A042 SUN14, A044 SUN15, A046 SUN18, A048 SUN19, A05 0 SS6, A051 VB1, A052 VB2, A053 VB3, A054 VB4, A055 VB5, A060 SUN11, A070 MS43, A080 SUN12, A081 SY19, A082 SY24, A083 SY29, A085 SY4, A086 SY9, A087 SY14, A090 EM18, A092 SUN16, A093 SY18, A094 SY23, A095S Y28, A100 EM12, A110 EM23, A112 P59, A114 P60, A120 P8, A121 USH3, A122 USH8, A123 USH13, A130 P7, A150 P24. A160 MS8, A170 P4, A180 P46, A190 EM8, A200 DP37, A210 P21, A220 EM7, A230 P5, A240 EM60, A250 EM1, A251 USH2, A252 USH7, A253 USH12, A260 DP32, A261 SY20, A262 SY25, A263 SY30, A270 P3, A272 SUN17, A280 P2, A290 P1, A300 EM2, A310 P64, A320 LT21, A330 LT26, A340 RR1, A341 RR6, A342 RR11, A343 RR16, A344 RR21, A345 RR26, B010 MP51, B020 MS53, B030 BB23, B040 MP41, B050 BB24, B060 LHS11, B070 L1, B080 MP36, B090 LHS13, B095 LHS19, B100 EM58, B110 L11, B120 MP31, B130 LHS14, B140 EM56, B150 BB30, B155 LT28, B158 BB1, B160 L26, B162 RM31, B164 BB4, B165 LHS17, B166 SUN60, B170 EM60, B180 MS52, B190 L21, B194 BB6, B196 RM54, B200 L16, B202 RM59, B203 SUN54, B204 LT4, B206 LT 9, B210 EM59, B220 EM57, B240 MS49, B250 BB19,B260 DP19, B270 CG16, B280 D29, B290 MS58, B300 MP56, B310 RM30, B320 D56, B330 D57, B340 D51, B350 D52, B360 D27, B360 RR33, B370 CG6, B380 CG7, B390 CG8, B400 CG9, B410 CG10, B420 CG22, B430 CG17, B440 CG23, B450 CG24, B460 L12, B470 CG25, B480 CG27, B490 EM52, B500 EM53, B510 L2, B515 LHS50, B520 EM51, B522 SUN53, B530 LIZ11, B535 LHS49, B540 MS56, B542 SUN58, B550 L7, B560 EM49, B570 DP18, B575 P80, B580 EG26, B590 EG27, B600 EG28, B610 EG29, B615 LHS39, B620 EG30, B621 USH18, B622 USH23, B623 USH28, B631 RR38, B632 RR43, B633 RR48, B634 RR53, B640 RR34, B641 RR39, B642 RR44, B643 RR49, B644 RR54, B650 RR35, B651 RR40, B652 RR45, B653 RR50, G005 Stop Light, G010 WG21, G020, WG22, G030 WG23, G040 WG24, G050 MS34, G060 WG25, G062 SUN51, G064 LT22, G066 LT27, G070 WG16, G080 G17, G090 WG18, G100 G19, G110 WG20, G120 CG30, G130 WG26, G140 WG11, G150 WG12, G160 WG13, G170 WG14, G180 WG15, G190 NG25, G200 NG26, G210 NG27, G220 NG28, G230 NG29, G240 WG27, G250 WG28, G260 MS35, G270 MS26, G272 P67, G274 P68, G276 P69, G278 P70, G280 WG29, G290 WG30, G300 L14, G310 L9, G320 MS36, G330 LIZ7, G340 LIZ6, G342 SUN9, G350 MS27, G360 WG6, G370 WG7, G380 WG8, G390 WG9, G400 WG10, G410 CG4, G420 CG5, G430 LIZ18, G440 MS48, G450 CG18, G451 SN20, G452 SN25, G453 SN30, G454 USH5, G455 USH10, G456 USH15, G460 NG30, G470 CG29, G480 CG1, G490 CG2, G500 CG30, G505 D46, G510 CG21, G520 D41, G530 D36, G540 D3, G550 D47, G560 WG1, G570 WG2, G580 WG3, G590 WG4, G600 WG5, G610 CG11, G620 NG21, G630 NG22, G640 NG23, G650 NG24, G670 NG16, G680 NG17, G681 USH4, G682 USH9, G683 USH14, G690 CG19, G700 NG18, G710 NG19, G720 NG20, G730 CG12, G732 SN3, G734 SN8, G736 SN13, G740 CG13, G750 CG14, G760 L19, G770 CG20, G771 USH16, G772 USH21, G773 USH26, G780 EG16, G790 EG17, G800 EG18, G810 EG19, G820 EG20, G830 RR31, G831 RR36, G832 RR41, G840 RR46, G841 RR51, G842 RR56, G850 RR32, G851 RR37, G852 RR42, G853 RR47, G854 RR52, G855 RR57, G856 RR58, N005 WHITE, N010 BLACK, N020 D37, N030 MS3, N040 EM41, N041 P81, N042 P82, N043 P84, N044 LT25, N046 LT30, N048 EG6, N050 EM46, N052 EG8, N054 EG9, N056 EG10, N060 MS21, N070 EM40, N082 LT15, N084 LT20,

N085 MS19, N090 P13, N100 D32, N110 D42, N120 D18, N130 D16, N140 L10, N150 EM30, N160 L13, N170 L8, N180 P20, N190 EM34, N200 L18, N210 P19, N220 EM3, N221 USH17, N222 USH22, N223 USH27, N224 USH1, N225 USH6, N226 USH11, N230 P30, N240 P25, N245 EM17, N250 DP27, N251 SN17, N252 SN22, N253 SN27, N260 EM26, N270 EM35, N280 L3, N290 DP22, N300 P29, N304 LT5, N306 LT10, N310 NG11, N320 NG12, N330 NG13, N340 NG14, N351 USH20, N352 USH25, N353 USH30, N360 L25, N362 SN2, N364 SN7, N366 SN12, N370 EM1, N380 EM21, N382 SN16, N384 SN21, N386 SN26, N390 EM27, N400 EM32, N410 CG15, N420 NG15, N430 EM31, N431 SN18, N43 SN23, N433 SN28, N435 P71, N440 NG6, N450 NG7, N452 P72, N454 P76, N456 P77, N460 NG8, N468 P78, N470 NG9, N480 NH10, N490 DP33, N500 DP53, N510 NG1, N520 NG2, N525 P83, N530 NG30, N540 NG4, N550 NG, N560 EG1, N570 EG2, N580 EG3, N590 EG4, N600 EG5, N610 SN5, N620 SN10, N630 SN15, N640 RR18, N641 RR23, N642 RR28, N650 RR59, N651 RR55, N652 RR60, R010 D6, R020 SS10, R030 EM14, R032 SUN33, R034 SUN34, R040 SS12, R050 D11, R060 SUN36, R070 D12, R080 SS13, R090 D13, R100 D8, R110 D9, R120 D7, R130 D14, R140 L17, R150 D10, R160 D17, R170 D15, R180 D3, R190 P10, R200 D40, R210 D19, R220 D23, R230 D45, R240 MP8, R241 VB36, R242 VB37, R243 VB46, R244 VB47, R245 VB16, R246 VB17, R247 VB18, R248 VB19, R249 VB20, R250 MP13, R251 VB31, R252 VB32, R253 VB33, R254 VB34, R255 VB35, R260 MP18, R261 VB51, R262 VB52, R263 VB53, R264 VB5, R265 VB55, R266 SUN40 ,R267 SUN39, R268 SUN38, R269 SUN37, R270 P27, R271 VB26, R272 VB27, R273 VB28, R274 VB29, R275 VB30, R280 P26, R281 VB11, R282 VB12, R283 VB13, R284 VB14, R285 VB15, R286 VB21, R287 VB22, R288 VB23, R289 VB24, R290 P12, R300 P11, R310 DP17, R320 MS10, R330 MS18, R340 MP28, R341 SN4, R34 SN9, R343 SN14, R349 SUN30, R350 MS13, R351 VB6, R35 VB7, R353 VB8, R354 VB9, R355 VB10, R360 L22, R362 SUN2, R370 P23, R380 DB4, R382 VB25, R390 MS20, R400 MS15, R402 LT1, R404 LT6, R406 LT11, R410 MS17 R430 MP34, R440 DP56, R442 SUN24, R450 EM24, R460 P22, R470 L27, R480 EG11, R482 SUN2, R484 SUN23, R490 EG12, R500 EG13, R510 EG14, R520 EG15, R560 RR2, R561 RR7, R562 RR12, R563 RR17, R564 RR22, R565 RR27, R570 RR3, R571 RR8, R572 RR1, R580 RR4, R581 RR9, R582 RR14, R583 RR19, R584 RR2, R585 RR29, T010 BB11, T020 T17, T040 T18, T050 T19, T060 T20, T070 T16, T080 BB14, T095 T15, T100 T51, T110 T52, T120 T53, T130 T54, T140 T55, T160 T26, T170 T27, T180 T28, T190 T29, T200 T30, T220 T31, T230 T32, T240 T33, T250 T34, T260 T35, T280 T6, T290 T7, T300 T8, T310 T9, T320 T10, T324 LT3, T326 LT8, T330 T1, T340 T2, T350 T3, T360 T5, T370 T56, T375 LT18, T376 SUN55, V020 MP52, V030 MP47, V040 MP42, V049 Periwinkle, V050 MP37, V052 SUN47, V055 MP32, V060 EM55, V070 P18, V080 LIZ12, V090 DP13, V093 LT14, V096 LT19, V100 D22, V120 D21, V130 D33, V140 D38, V150 MP57, V160 D48, V170 D25, V180 D28, V190 EM39, V200 D54, V210 D53, V220 D58, V230 MS59, V240 D24, V250 EM50, V260 EM45, V270 EM54, V272 SUN49, V280 L6, V290 D39, V292 SUN50, V300 D49, V310 EM44, V320 D44, V330 D59, V331 VB41, V332 VB42, V333 VB43, V334 VB44, V335 VB45, V339 SUN43, V340 LIZ21, V341 VB38, V342 VB39, V343 VB40, V344 VB48, V345 VB49, V346 VB50, V360 MS23, V370 P17, V372 SUN44, V375 SUN48, V380 P16, V382 DB11, V384 LT24, V386 LT29, V390 D60, V400 D55, V410 D50, V415 VB56, V416 VB57, V417 VB58, V418 VB59, V419 VB60, V420 D20, V430 D34, V440 L23, V441 SN19, V442 SN24, V443 SN29, V450 L28, V460 MS6, V470 P15, V480 P14, V490 DP23, V500 DP7, V510 DP12, V520 EG21, V530 EG22, V540 EG23, V550 EG24, V560 EG25, V562 SUN45, V563 USH19, V564 USH24, V565 USH29, V570 RR5, V571 RR10, V572 RR15, V573 RR20, V574 RR25, V575 R30, Y010 SS3, Y020 SS2, Y030 SS1, Y032 SUN2, Y034 SUN3, Y036 SUN4, Y037 SY1, Y038 SY6, Y039 SY11, Y040 EM20, Y041 Y5, Y042 SY10, Y043 SY15, Y050 EM15, Y060 MP45, Y070 DP46, Y072 SUN8, Y073 SUN7, Y074 SUN10, Y075 LT12, Y076 SUN20, Y077 SUN5, Y080 P28, Y090 EM28, Y092 P61, Y094 P62,

Y100 MS33, Y109 SY17, Y116 SY2, Y117 SY7, Y118 SY12, Y120 L15, Y121 SY3, Y122 SY8, Y123 SY13, Y127 SY16, Y128 SY21, Y129 SY26, Y130 MP55, Y140 DP41, Y150 EM10, Y160 DP31, Y170 EM16, Y171 SN1, Y172 SN6, Y173 SN11, Y180 DP26, Y190 L20 and Y200 EM22

Supplier Terry Ludwig Pastels, LLC
8113 W Brandon Drive
Littleton, Colorado 80125-9765

Manufacturer Terry Ludwig Pastels, LLC
8113 W Brandon Drive
Littleton, Colorado 80125-9765

For Chemical Emergency Call CHEMTREC 1(800)424-9300
For ingestion Call Your Local Poison Control Canter

Section 2, Hazard(s) identification

NFPA Classification
Health 0
Flammability 0
Instability 0

HMIS Classification
Health 0
Flammability 0
Reactivity 0

Special Hazards No known hazards associated with this product.

Section 3, Composition/information on ingredients

Terry Ludwig Pastels Contain one or more of: Ultramarine blue (Pigment Blue 29)(CAS NO. 57455-37-5), Iron Oxide Black CI 77499 (CAS No. 12227-89-3), Chromium oxide green (CAS No. 1308-38-9), Bone black charcoal (CAS No. 8021-99-6), Burnt umber (CAS No. 12713-03-0), Burnt Sienna Ferric oxide [NF](CAS No. 12713-03-0), Raw Sienna/Limonite iron brown hematite (CAS No. 1317-63-1)), Iron oxide yellow C.I. Pigment Yellow 42 (CAS No. 51274-00-1), Synthetic iron oxide Brown 6 (CAS No. 52357-70-7), Red Iron Oxide (CA S No. 1309-37-1), Yellow Ochre (CAS No.1343-81-3), Kaolin clay CAS No.1332-58-7), Quinacridone Pigment Violet 19 (CAS No.1047-16-1), Pigment Red 254 (CAS No. 84632-65-5), Pigment Yellow 151(CAS No. 31837-42-0), Pigment Violet 23 (CAS No. 6358-30-1), C.I. Pigment Green 50 (CAS No. 68186-85-6), Cobalt Blue (CAS No. 1345-16-0), Ferric Ferrocyanide (CAS No. 14038-43-8), Pigment Blue 27 (Prussian blue)(CAS No. 12240-15-2), Titanium Dioxide, C.I. Pigment White 6 (CAS No: 13463-67-7), Barium sulfate Pigment white 21 (CAS No. 7727-43-7), Calcium carbonate (CAS No. 1317-65-3), Gum acacia; Gum Arabic (CAS No.9000-01-5) and xanthan Gum (CAS No. 11138-66-2).

Section 4, First-aid measures

EYE CONTACT : Flush eyes thoroughly with large amounts of water for at least fifteen minutes. Seek medical attention in the unlikely event that irritation occurs.
SKIN CONTACT: Wash with soap and water. Remove severely contaminated clothing and clean before reuse. Seek medical attention in the unlikely event that irritation occurs.
INHALATION: Remove to fresh air. Get medical attention if breathing is difficult.
INGESTION: Do not give anything by mouth to an unconscious person. Get medical attention.

Section 5, Fire-fighting measures
FLAMABILITY: 16 CFR 1500.44.OSHA/NFPA Flash Point of more than 93oC, shall not be included in Flammable or Combustible Material.

Section 6, Accidental release measures
SMALL SPILL: Place spilled material in appropriate waste containers for disposal.
LARGE SPILL: Place spilled material in appropriate waste containers for disposal.

Section 7, Handling and storage
HANDLING: Avoid exposure through the use of appropriate engineering controls and good industrial hygiene practices.
STORAGE: Store in a moderately cool, dry, well ventilated area away from direct sources of heat. Empty containers may contain residue, dispose of properly. Keep labelling visible..

Section 8, Exposure controls/personal protection
ENGINEERING CONTROLS: Local exhaust ventilation is recommended if dealing with large quantities.
PERSONAL PROTECTION: Safety glasses are recommended. Impervious gloves and clothing should be worn when gross contact is likely as when cleaning up large spills.
EXPOSURE LIMITS: None

Section 9, Physical and chemical properties
APPEARANCE: Pastels used for painting
FLAMABILITY: OSHA/NFPA Class Non-flammable
VISCOSITY Not applicable

Section 10, Stability and reactivity
GENERAL: Terry Ludwig Pastels are non-reactive.
INCOMPATIBILITY: None

Section 11, Toxicological information
Ultramarine blue (Pigment Blue 29)(CAS NO. 57455-37-5), No data are available in humans. Limited evidence of carcinogenicity in animals. OVERALL EVALUATION: Group 3: The agent is not classifiable as to its carcinogenicity to humans.[IARC] "A nuisance dust." [Sax] Safe in manufacture and use with the only known hazard being the evolution of hydrogen sulfide after contact with acid; it is not irritating, sensitizing, or mutagenic; [Ullmann]

Iron Oxide Black CI 77499 (CAS No. 12227-89-3), CFR Title 21: Food and Drugs Listing of color additives exempt from certification

Chromium oxide green (CAS No. 1308-38-9), Absence of toxic and carcinogenic effects after administration of high doses of chromic oxide pigment in subacute and long-term feeding experiments in rats. (FOOD COSMET TOXICOL 13:347-351,1975) Trivalent chromium is most appropriately designated a Group D -- Not classified as to its human carcinogenicity. Chromic oxide is a color additive in drug use, in printing fabrics and banknotes. It is also used in dyeing polymers; colorant for latex paints.

Bone black charcoal (CAS No. 8021-99-6), There is inadequate evidence in humans for the carcinogenicity of carbon black. There is sufficient evidence in experimental animals for the carcinogenicity of carbon black. There is sufficient evidence in experimental animals for the carcinogenicity of carbon black extracts. Overall evaluation Carbon black is possibly carcinogenic to humans (Group 2B). A4; Not classifiable as a human carcinogen. ACGIH

Burnt umber (CAS No. 12713-03-0), Permitted for use as an inert ingredient in non-food pesticide products; [EPA]

Burnt Sienna Ferric oxide [NF](CAS No. 12713-03-0), No ingredients in this product are hazardous as defined by the Department of Labor. Classification of carcinogenicity: 1) evidence in humans: inadequate; 2) evidence suggesting lack of carcinogenicity in animals. Overall summary evaluation of carcinogenic risk to humans is Group 3: The agent is not classifiable as to its carcinogenicity to humans.

Raw Sienna/Limonite iron brown hematite (CAS No. 1317-63-1), Large amounts of ferrous salts of iron are toxic but, in adults, fatalities are rare and almost exclusively suicidal. Most deaths occur in childhood and particularly between the age of 12 & 24 months ... . As little as 1 to 2 g of iron may cause death, but 2 to 10 g is usually ingested in fatal cases. [Hardman, J.G., L.E. Limbird, P.B., A.G. Gilman. Goodman and Gilman's The Pharmacological Basis of Therapeutics. 10th ed. New York, NY: McGraw-Hill, 2001., p. 1500]

Iron oxide yellow C.I. Pigment Yellow 42 (CAS No. 51274-00-1), CFR Title 21: Food and Drugs Listing of color additives exempt from certification. Used as a food colorant; [JECFA] Permitted for use as an inert ingredient in non-food pesticide products; [EPA]

Synthetic iron oxide Brown 6 (CAS No. 52357-70-7), CFR Title 21: Food and Drugs Listing of color additives exempt from certification. may be safely used as diluents in color additive mixtures for food use exempt from certification.

Red Iron Oxide (CA S No. 1309-37-1), Toxicity

Organism	Test Type	Route	Reported Dose (Normalized Dose)	Effect	Source
dog	LDLo	subcutaneous	30mg/kg (30mg/kg)		"Abdernalden's Handbuch der Biologischen Arbeitsmethoden." Vol. 4, Pg. 1289, 1935.

Classification of carcinogenicity: 1) evidence in humans: inadequate; 2) evidence suggesting lack of carcinogenicity in animals. Overall summary evaluation of carcinogenic risk to humans is Group 3: The agent is not classifiable as to its carcinogenicity to humans IARC.

Yellow Ochre (CAS No.1343-81-3), No ingredients in this product are hazardous as defined by the Department of Labor.

Kaolin clay CAS No.1332-58-7), Kaolin ores may contain mica and silica. Kaolin workers may develop a simple or complicated pneumconiosis with lung opacities and restrictive or mixed pattern on spirometry. [Sullivan, p. 544] Kaolin pneumoconiosis has been reported in miners, millers, and end users. [Rosenstock, p. 411] The highest exposures have been found in workers who process the clay (dry, mill, or load) rather than in end users. A study published in 1988 of 2000 U.S. kaolin workers found a prevalence for simple and complicated pneumoconiosis of 3.2% and 0.63%, respectively. [Rom, p. 531-2] A4; Not classifiable as a human carcinogen ACGIH

Quinacridone Pigment Violet 19 (CAS No.1047-16-1), Toxicity

Organism	Test Type	Route	Reported Dose (Normalized Dose)	Effect	Source
rabbit	LD	skin	> 2mL/kg (2mL/kg)		National Technical Information Service. Vol. OTS0533795,
rat	LD50	oral	> 20mL/kg (20mL/kg)	BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) GASTROINTESTINAL: "HYPERMOTILITY, DIARRHEA"	National Technical Information Service. Vol. OTS0533794,

No ingredients in this product are hazardous as defined by the Department of Labor.

Pigment Red 254 (CAS No. 84632-65-5), Title 21 of the U.S. Code of Federal Regulations (21 CFR)Indirect Additives used in Food Contact Substances FDA

Pigment Yellow 151(CAS No. 31837-42-0), PubChem: As a colorant in food-contact polymers, at levels not to exceed 5% by weight, including repeat-use polymers that may contact infant formula and breast milk.

Pigment Violet 23 (CAS No. 6358-30-1), Code of Federal Regulations Title 21, Certification of this color additive is not necessary for the protection of the public health, and therefore the color additive is exempt from the certification requirements of section 721(c) of the act.

C.I. Pigment Green 50 (CAS No. 68186-85-6), May cause skin sensitization; Prolonged inhalation exposure may cause serious adverse effects including cancer; [ToxPlanet: ECHA REACH Registrations] May cause irritation; May cause asthma, bronchitis, shortness of breath, and wheezing in sensitive individuals; Contains a possible carcinogen; [BASF MSDS]

Cobalt Blue (CAS No. 1345-16-0), Damage to the respiratory system is the primary health effect associated with occupational exposure to cobalt metal dust, causing shortness of breath, impaired lung function, wheezing, asthma, pneumonia, and noncancer lung diseases. Skin allergies have also been reported in workers that had direct skin contact with cobalt dust. While ingestion of small amounts of cobalt is essential to human health (inadequate intake is associated with anemia), limited data suggest that large oral intakes may lead to toxic effects in humans. Elevated cobalt intake has been associated with increased production of red blood cells, which could be lead to health problems in healthy individuals (polycythemia) or be beneficial in individuals with anemia.

Ferric Ferrocyanide (CAS No. 14038-43-8), Toxicity

Organism	Test Type	Route	Reported Dose (Normalized Dose)	Effect	Source
mouse	LD	oral	> 8gm/kg (8000mg/kg)		Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and

Organism	Test Type	Route	Reported Dose (Normalized Dose)	Effect	Source
					Occupational Diseases. Vol. 35(1), Pg. 35, 1991.
				BLOOD: CHANGES IN SPLEEN	
mouse	LD50	intraperitoneal	2gm/kg (2000mg/kg)	LUNGS, THORAX, OR RESPIRATION: DYSPNEA BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY)	Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases. Vol. 35(1), Pg. 35, 1991.
rabbit	LD	oral	> 8gm/kg (8000mg/kg)		Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases. Vol. 35(1), Pg. 35, 1991.
rat	LD	oral	> 8gm/kg (8000mg/kg)		Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases. Vol. 35(1), Pg. 35, 1991.
rat	LD50	intraperitoneal	2100mg/kg (2100mg/kg)	BEHAVIORAL: SOMNOLENCE (GENERAL DEPRESSED ACTIVITY) LUNGS, THORAX, OR RESPIRATION: DYSPNEA LIVER: OTHER CHANGES	Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases. Vol. 35(1), Pg. 35, 1991.
rat	LDLo	intratracheal	250mg/kg (250mg/kg)	KIDNEY, URETER, AND BLADDER: OTHER CHANGES BEHAVIORAL: SOMNOLENCE	Gigiena Truda i Professional'nye Zabolevaniya. Labor Hygiene and Occupational Diseases.

Organism	Test Type	Route	Reported Dose (Normalized Dose)	Effect	Source
				(GENERAL DEPRESSED ACTIVITY) LUNGS, THORAX, OR RESPIRATION: DYSPNEA	Vol. 35(1), Pg. 35, 1991.

Based on reported adverse events and mechanism of action, possible overdose symptoms may include constipation, obstruction, or severe decrease in electrolytes.[FDA; Center for Drug Evaluation and Research

Pigment Blue 27 (Prussian blue)(CAS No. 12240-15-2), May cause irritation; [MSDSonline] Ferrocyanide complexes are stable and practically nontoxic because of the strong bonding between iron and cyanide. Cyanide ions may be formed slowly when the chemical is irradiated with UV light. [Ullmann] Prussian blue is used as a medication in 500-milligram capsules to treat patients poisonied by thallium or radioactive cesium. [Reference #1]

Titanium Dioxide, C.I. Pigment White 6 (CAS No: 13463-67-7), There is inadequate evidence in humans for the carcinogenicity of **titanium dioxide**. Cancer in experimental animals: There is sufficient evidence in experimental animals for the carcinogenicity of **titanium dioxide**. Overall evaluation: **Titanium dioxide** is possibly carcinogenic to humans (Group 2B)[IARC]
Toxicity

Organism	Test Type	Route	Reported Dose (Normalized Dose)	Effect	Source
rat	LD	intratracheal	> 100ug/kg (0.1mg/kg)	LUNGS, THORAX, OR RESPIRATION: STRUCTURAL OR FUNCTIONAL CHANGE IN TRACHEA OR BRONCHI BLOOD: "CHANGES IN SERUM COMPOSITION (E.G., TP, BILIRUBIN, CHOLESTEROL)"	Industrial Health. Vol. 35, Pg. 61, 1997.

Barium sulfate Pigment white 21 (CAS No. 7727-43-7), opaque ingredient in a barium meal for x-ray diagnosis.

Calcium carbonate (Limestone) Chalk (CAS No. 1317-65-3), When large doses of NaHCO3 and/or CaCO3 were ... admin with milk or cream for the management of peptic ulcer, the milk-alkali syndrome (alkalosis, hypercalcemia, and renal insufficiency) occured. Today this syndrome is rare and generally results from chronic ingestion of large quantities of Ca+2 (five to forty 500-mg tablets per day of calcium carbonate) taken with milk. /Antacids/
[Brunton, L. Chabner, B, Knollman, B. Goodman and Gillman's The Pharmaceutical Basis of Therapeutics, Twelth Edition, McGraw Hill Medical, New York, NY. 2011, p. 1316]

Gum acacia; Gum Arabic (CAS No.9000-01-5) Gum arabic is used as a suspending agent, excipient, and emulsifier in foods and pharmaceuticals. Toxicity

Organism	Test Type	Route	Reported Dose (Normalized Dose)	Effect	Source
hamster	LD50	oral	> 18gm/kg (18000mg/kg)		Food & Drug Research Laboratories, Inc., Papers. Vol. 124, Pg. -, 1976.
mouse	LD50	oral	> 16gm/kg (16000mg/kg)		Food & Drug Research Laboratories, Inc., Papers. Vol. 124, Pg. -, 1976.
rabbit	LD50	oral	8gm/kg (8000mg/kg)		Food & Drug Research Laboratories, Inc., Papers. Vol. 124, Pg. -, 1976.
rat	LD50	oral	> 16gm/kg (16000mg/kg)		Food & Drug Research Laboratories, Inc., Papers. Vol. 124, Pg. -, 1976.

Xanthan Gum (CAS No. 11138-66-2). Corn sugar gum, a polysaccharide gum made by the bacterium Xanthomonas campestris; Used as a stabilizer and thickener for foods, pharmaceuticals, and cosmetics, for rheology control in water-based systems, and in oil and gas drilling; [Merck Index] Used as an anticaking agent, drying agent, formulation aid, coloring adjunct, processing aid, emulsifier, solvent, stabilizer or thickener, surface-finishing agent, and texturizer for foods; [FDA] Permitted for use as an inert ingredient in non-food pesticide products; [EPA] Used as a thickener for industrial formulations. A mild skin and eye irritan [Solvay MSDS]

Section 12, Ecological information

There is no evidence to suggest that it creates any significant ecological problem when released into the environment in small quantities.

Section 13, Disposal consideration

Contaminated product, soil, water, container residues and cleanup materials must be disposed of in accordance with all applicable federal, state and local regulations. This product is not identified as a RCRA hazardous waste under 40 CFR 261, and is not regulated under CERCLA (Superfund).

Section 14, Transport information

D.O.T. SHIPPING NAME (49 CFR 172.101-102)	Not regulated
D.O.T.HAZARD CLASS (49 CFR 172.101-102)	Not regulated
D.O.T. LABEL None D.O.T. PLACARD	None
BILL OF LADING DESCRIPTION	amazing slime gold, silver, red, yellow, green and blue
CERCLA SUBSTANCE (49 CFR)	Not regulated
REPORTABLE QUANTITY (RQ)	None
IATA CLASSIFICATION	Not regulated
UN/NA NUMBER	Not regulated
IMDG/IACO CLASSIFICATION	Not regulate

Section 15, Terry Ludwig Pastels comply with applicable sections of U.S. Federal Hazardous Substance Act (FHSA) Regulations (16 CFR 1500), LHAMA (16 CFR 1500.14), ASTM D4236, Sections 201(s) and 409 of the Federal Food, Drug, and Cosmetic Act, The Canadian Environmental Protection Act, 1999 (CEPA 1999), the Canadian Consumer Chemicals and Containers Regulations 2001 (CCCR, 2001), Regulations Respecting the Advertising, Sale and Importation of Hazardous Products (Toys) (C.R.C., c. 931.) and requirements for Toxicology Risk Assessments.

Section 16, Other information

For more information, contact: Terry Ludwig Pastels, LLC, 8113 W Brandon Drive, Littleton, Colorado 80125-9765