Material Safety Data Sheet

Issuing Date: 17-May-2013 **Revision Date:** 17-May-2013 **Version** 1.01

1. PRODUCT AND COMPANY IDENTIFICATION

Product ID:	01061153
Product name	Kaleidocolors Blue Powder
Product Type	Finished Product - Professional Use Only
Recommended use	Personal Beauty Care Product
Uses advised against	All other uses
Synonyms	Kaleidocolors Violet Powder (01132605) * Kaleidocolors Neutral Powder (95085445)
Manufacturer	The Procter & Gamble Company Sharon Woods Innovation Center 11510 Reed Hartman Highway Cincinnati OH 45202
E-mail Address	pgsds.im@pg.com
Emergency telephone	Transportation (24 HR) CHEMTREC - 1-800-424-9300 (U.S./ Canada) or 1-703-527-3887 Mexico toll free in country: 01-800-681-9531

2. HAZARDS IDENTIFICATION

Emergency Overview

Harmful if swallowed
Irritating to eyes, respiratory system and skin
May cause sensitization by inhalation and skin contact

OSHA Regulatory Status	When used in a professional setting (at a much higher frequency and duration than a typical consumer) this material would be considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
WHMIS	Not subject to WHMIS classification.
Principle Routes of Exposure	Skin Contact. Eye Contact. Inhalation.

General Hazards This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Dipotassium peroxodisulphate	7727-21-1	40 - 70
Disodium metasilicate	6834-92-0	5 - 10
Octadecanoic acid, sodium salt (1:1)	822-16-2	5 - 10
Silica	7631-86-9	3 - 7
Sulfuric acid monododecyl ester sodium salt (1:1)	151-21-3	1 - 5
Peroxydisulfuric acid ([(HO)S(O)2]2O2), sodium salt (1:2)	7775-27-1	1 - 5
Diammonium peroxodisulphate	7727-54-0	1 - 5
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:2)	139-33-3	1 - 5

4. FIRST AID MEASURES

General advice When symptoms persist or in all cases of doubt seek medical advice.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If symptoms persist, call a physician.

Skin Contact If skin problems occur, discontinue use. If skin irritation persists, call a physician. May cause an allergic skin reaction.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Inhalation Move to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. May cause allergic respiratory reaction.

Protection of First-aiders Use personal protective equipment.

Most important symptoms/effects, acute and delayed None known.

Notes to Physician May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point No information available

Suitable extinguishing media Dry chemical, CO_2, water spray or alcohol-resistant foam.

Extinguishing media which shall not be used for safety reasons No information available

Special Hazard None known based on information supplied

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus and full protective gear.

Specific hazards arising from the chemical Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Advice for emergency responders Use personal protective equipment.

Environmental precautions Should not be released into the environment.

Methods for Containment No information available.

Methods for Cleaning up No information available.

7. HANDLING AND STORAGE

Advice on safe handling Keep out of the reach of children. Observe label precautions. Avoid contact with skin, eyes and clothing.

Technical measures/Storage conditions Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	P&G OEL	Mexico OEL
Dipotassium peroxodisulphate	TWA: 0.1 mg/m³ Persulfate	-			-
Silica		TWA: 20 mppcf : (80)/(% SiO2) mg/m³ TWA	IDLH: 3000 mg/m³ TWA: 6 mg/m³		-
Diammonium peroxodisulphate	TWA: 0.1 mg/m³ Persulfate	-			-
Peroxydisulfuric acid ([(HO)S(O)2]2O2), sodium salt (1:2)	TWA: 0.1 mg/m³ Persulfate	-			-

Chemical Name	Alberta	Quebec	Ontario TWAEV	British Columbia
Dipotassium peroxodisulphate			TWA: 0.1 mg/m³	TWA: 0.1 mg/m³
Diammonium peroxodisulphate			TWA: 0.1 mg/m³	TWA: 0.1 mg/m³
Peroxydisulfuric acid ([(HO)S(O)2]2O2), sodium salt (1:2)			TWA: 0.1 mg/m³	TWA: 0.1 mg/m³

Engineering Measures Not applicable.

Personal Protective Equipment

Eye Protection No special protective equipment required.

Hand Protection Impervious gloves.

Skin and body protection No special protective equipment required.

Respiratory protection No special protective equipment required

Thermal hazards Not applicable.

Hygiene measures None under normal use condtions.

Environmental Exposure Controls See Section 6.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @20°C solid
Appearance powder.
Odor Sharp

Property	Values	Note
pH VALUE	No information available	
melting/freezing point	No information available	
Boiling point/boiling range	No information available	
Flash Point	No information available	
Evaporation Rate	No information available	
flammability (solid, gas)	No information available	
Flammability Limits in Air		
Upper Flammability Limit	No information available	
lower flammability limit	No information available	
vapor pressure	No information available	
Vapor Density	No information available	
Relative Density	No information available	
Water solubility	No information available	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition Temperature	No information available	.
decomposition temperature	No information available	.
Viscosity of Product	No information available	
Bulk Density	No information available	

Chemical Name	Partition Coefficient (n-octanol/water)
Sulfuric acid monododecyl ester sodium salt (1:1)	-2.03 (at 20 C; Computational Approach in OECD Guideline 107)
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:2)	-4.3(shake-flask; 25 C and pH 4.5)

VOC Content Products comply with US state and federal regulations for VOC content in consumer products.
Oxidizing properties No information available

10. STABILITY AND REACTIVITY

Reactivity	None under normal use conditions.
Stability	Stable under normal conditions.
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.
Conditions to Avoid	None under normal processing.
Materials to Avoid	None in particular.
Hazardous Decomposition Products	None under normal use.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute Toxicity .

Principle Routes of Exposure Skin Contact. Eye Contact. Inhalation.

Inhalation Irritating to respiratory system.
Skin Contact Irritating to skin.
Ingestion Harmful if swallowed.
Eye Contact Irritating to eyes.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dipotassium peroxodisulphate	= 802 mg/kg (Rat)	-	-
Disodium metasilicate	1280.00 mg/kg (rat)	> 5000 mg/kg bw (Guideline: EPA OPPTS 870.1200, Rat, Read across information (Potassium silicate solution) is provided.)	> 2.06 mg/L air (Guideline: EPA OPPTS 870.1300, Rat, Read across information (Potassium silicate solution) is provided.)
Silica	> 5000 mg/kg (Rat)	-	> 2.2 mg/L (Rat) 1 h
Diammonium peroxodisulphate	= 495 mg/kg (Rat)	-	= 520 mg/L (Rat) 1 h
Peroxydisulfuric acid ([(HO)S(O)2]2O2), sodium salt (1:2)	= 895 mg/kg (Rat)	-	-
Sulfuric acid monododecyl ester sodium salt (1:1)	1200 mg/kg bw (OECD 401, Rat)	> 2000 mg/kg bw (Expert assessment)	> 3900 mg/m^3 (Rat) 1 h
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:2)	2800 mg/kg bw (Rat)	-	1 - 5 mg/l (rat) (4h
Benzyl benzoate	= 500 mg/kg (Rat)	= 4000 mg/kg (Rat) = 4000 mg/kg (Rabbit)	-

Chronic toxicity

Corrosivity No known effect.
Sensitization May cause sensitization of susceptible persons.
Neurological Effects No known effect.
Reproductive toxicity The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.
MUTAGENIC EFFECTS There are no known mutagenic chemicals in this product.
Developmental Toxicity No known effect.
Teratogenicity No known effect.
Carcinogenicity Contains no ingredients above reportable quantities listed as a carcinogen.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Toxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Disodium metasilicate	207 mg/L (Desmodesmus subspicatus; Basis for effect: Biomass, Read across data on Soluble Silicates)	210 mg/L (Guideline: ISO 7346-1; Brachydanio rerio)	1000 mg/L (Guideline: DIN 38412-27; Pseudomonas putida)	1700 mg/L (Guideline: EU Method C.2; Daphnia magna. Read across data (of potassium dichromate).)	-
Silica	EC50 72 h = 440 mg/L Pseudokirchneriella subcapitata	LC50 96 h = 5000 mg/L Brachydanio rerio static	-	EC50 48 h = 7600 mg/L Ceriodaphnia dubia = 440 mg/L EC50	-
Diammonium peroxodisulphate	-	LC50 96 h = 103 mg/L Lepomis macrochirus static LC50 96 h = 76.3 mg/L Oncorhynchus mykiss static LC50 96 h = 323 mg/L Poecilia reticulata	-	EC50 48 h = 120 mg/L Daphnia magna	-
Peroxydisulfuric acid ([(HO)S(O)2]2O2), sodium salt (1:2)	-	LC50 96 h = 771 mg/L Lepomis macrochirus static LC50 96 h = 771 mg/L Oncorhynchus mykiss static	-	EC50 48 h = 133 mg/L Daphnia magna	-
Sulfuric acid monododecyl ester sodium salt (1:1)	> 120 mg/L (DIN 38412, part 9; Desmodesmus subspicatus, based on growth rate)	29 mg/L (OECD 203, Pimephales promelas, flow-through)	135 mg/L (Activated sludge, respiration rate)	5.55 mg/L (Ceriodaphnia dubia, flow-through)	-
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:2)	> 60 mg/L (Read across data on Fe(III)EDTA; OECD 201; static; Pseudokirchnerella subcapitata)	41 mg/L (Read across data on Ethylenediaminetetraacetic acid; static; Lepomis macrochirus)	EC10: > 500 mg/L (OECD 209; static; activated sludge, domestic)	140 mg/L (Guideline: DIN 38412, part 11; static; Daphnia magna)	-

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to Microorganisms	Toxicity to daphnia and other aquatic invertebrates	Toxicity to other organisms
Sulfuric acid monododecyl ester sodium salt (1:1)	30 mg/L (DIN 38412, part 9; Desmodesmus subspicatus, based on biomass)	> 1.357 mg/L (Pimephales promelas, 42 d)			
Glycine, N,N'-1,2-ethanediylbis[N-(carboxymethyl)-, sodium salt (1:2)	48.4 mg/L (Read across data on Fe(III)EDTA; OECD 201; static; Pseudokirchnerella subcapitata)	>=25.7 mg/L (Read across data on CaNa2EDTA; OECD 210; flow-through; Danio rerio)		25 mg/L (Guideline: EEC Guideline XI/681/86, Draft 4; semi-static; Daphnia magna)	

Persistence and degradability No information available.

Chemical Name	Ready Test Results	Other Degradability / Persistence Test Results
Disodium metasilicate		Readily eliminable from water

Sulfuric acid monododecyl ester sodium salt (1:1)	95% (OECD 301 B; 28 d, CO2 evolution)	

Bioaccumulative potential No information available.

Mobility No information available.

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products Dispose of in accordance with local regulations.

Contaminated packaging Dispose of in accordance with local regulations.

California Hazardous Waste Codes (non-household setting) 331

14. TRANSPORT INFORMATION

DOT

UN/ID no	UN1479
Proper shipping name	Oxidizing solid, n.o.s.
Hazard Class	5.1
Packing group	III
Description	UN1479, Oxidizing solid, n.o.s (Dipotassium Peroxodisulphate, Diammonium Peroxodisulphate), 5.1, III, Ltd. Qty.
Emergency Response Guide Number	140

TDG

UN/ID no	UN1479
Proper shipping name	Oxidizing solid, n.o.s.
Hazard Class	5.1
Packing group	III
Description	UN1479, Oxidizing solid, n.o.s (Dipotassium Peroxodisulphate, Diammonium Peroxodisulphate), 5.1, III, Ltd. Qty.

MEX

UN/ID no	UN1479
Proper shipping name	Oxidizing solid, n.o.s.
Hazard Class	5.1
Packing group	III
Description	UN1479, Oxidizing solid, n.o.s (Dipotassium Peroxodisulphate, Diammonium Peroxodisulphate), 5.1, III, Ltd. Qty.

IATA

UN/ID no	UN1479
Proper shipping name	Oxidizing solid, n.o.s.
Hazard Class	5.1
Packing group	III
ERG Code	5L

Description	UN1479, Oxidizing solid, n.o.s (Dipotassium Peroxodisulphate, Diammonium Peroxodisulphate), 5.1,III, Ltd. Qty.

ICAO

UN/ID no	UN1479
Proper shipping name	Oxidizing solid, n.o.s.
Hazard Class	5.1
Packing group	III
Description	UN1479, Oxidizing solid, n.o.s (Dipotassium Peroxodisulphate, Diammonium Peroxodisulphate), 5.1, III, Ltd. Qty.

IMDG/IMO

UN/ID no	UN1479
Proper shipping name	Oxidizing solid, n.o.s.
Hazard Class	5.1
Packing group	III
EmS No.	F-A, S-Q
Description	UN1479, Oxidizing solid, n.o.s (Dipotassium Peroxodisulphate, Diammonium Peroxodisulphate), 5.1, III, Ltd. Qty.

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Diammonium peroxodisulphate	7727-54-0	2	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard	yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Food and Drug Administration (FDA)

The product described in this Material Safety Data Sheet is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as per directions on container, box or accompanying literature (where applicable).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. State Regulations

California Proposition 65
This product is not subject to warning labeling under California Proposition 65

U.S. State Regulations

Chemical Name	New Jersey
Dipotassium peroxodisulphate	X
Silica	X
Diammonium peroxodisulphate	X
Peroxydisulfuric acid ([(HO)S(O)2]2O2), sodium salt (1:2)	X

Chemical Name	Massachusetts
Dipotassium peroxodisulphate	X
Silica	X

Chemical Name	Pennsylvania
Dipotassium peroxodisulphate	X
Silica	X
Sulfuric acid sodium salt (1:2)	X

International Regulations

Canada
WHMIS Hazard Class
Not subject to WHMIS classification

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR. This product is regulated by the Food and Drug Administration of Health Canada and is therefore exempt from the requirements of CEPA.

International Inventories

TSCA	Product is a personal care product and regulated under FDA
DSL	Exempt
NDSL	Exempt

Perfumes contained with the products comply with appropriate IFRA guidance.

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

16. OTHER INFORMATION

Issuing Date: 17-May-2013
Revision Date: 17-May-2013

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of MSDS