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SAFETY DATA SHEET

CFG86 -HDPE - LIGHT PINK

Section 1. Identificati	on	
GHS product identifier Chemical name CAS number Other means of identification Product type	::	CFG86 -HDPE - LIGHT PINK Mixture Mixture CC10219672 liquid
<u>Relevant identified uses of the sub</u> Product use	<u>stance</u> :	e or mixture and uses advised against Industrial applications. Plastics.
Supplier's details	:	POLYONE CORPORATION ColorMatrix Group Inc. 680 North Rocky River Drive, Berea, Ohio, 44017-1628, USA
		+1 216 622 0100
Emergency telephone number (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).

Section 2. Hazards identification

This mixture has not been evaluated as a whole for health effects. Information provided on health effects of this product is based on the individual components. However, some vapors or contaminants may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. See sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the substance or mixture	:	Not classified.

GHS label elements

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Signal word Hazard statements	:	No signal word. No known significant effects or critical hazards.
Precautionary statements		
General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	None known.
Hazards not otherwise classified	:	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC10219672

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	30 - 60	13463-67-7
Miscellaneous Compounds Distillates, petroleum, hydrotreated middle	5 - 10	Not available.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures



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Eye contact	:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact Inhalation Skin contact Ingestion Over-exposure signs/symptoms	:	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical atte	entio	n and special treatment needed, if necessary
Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

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Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $\rm CO_2$. None known.
Specific hazards arising from the chemical Hazardous thermal decomposition products	:	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containme	ent a	nd cleaning up
Small spill	:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	:	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13).
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Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage, including any incompatibilities	:	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Titanium dioxide	OSHA PEL 1989 (1989-03-01)
	PEL: Permissible Exposure Level 10 mg/m3 Form: Total dust
	OSHA PEL (1993-06-30)
	PEL: Permissible Exposure Level 15 mg/m3 Form: Total dust
	ACGIH TLV (1996-05-18)
	TLV-TWA: Threshold Limit Value - Time weighted average PEL:
	Permissible Exposure Level 10 mg/m3
Appropriate engineering controls :	8
	exposure to airborne contaminants.
Environmental exposure controls :	
	checked to ensure they comply with the requirements of
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environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures Eye/face protection	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state Color	iquid [liquid] PINK
Odor	: Faint odor.
Odor threshold	: Not available.
pH	: Not available.

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Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	insoluble in water.
Partition coefficient: n-	:	Not available.
octanol/water		
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
		Kinematic: Not available.

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Keep away from strong acids. Oxidizer.
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Information on toxicological effects



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Acute toxicity

Product/ingredient name	Result	Species		Dose	Exposure
Titanium dioxide					
	LC50 Inhalation	Rat - Male		6.82 Mg/l	4 h
	LD50 Dermal	Rabbit		> 5,000 mg/kg	-
Miscellaneous Compounds Di					
Conclusion/Summary	: Mix	ture.Not fully t	ested.		
Irritation/Corrosion					
Conclusion/Summary					
Skin		ture.Not fully t			
Eyes		ture.Not fully t			
Respiratory	: Mix	ture.Not fully t	ested.		
Sensitization					
Conclusion/Summary					
Skin		ture.Not fully t			
Respiratory	: Mix	ture.Not fully t	ested.		
Mutagenicity					
Conclusion/Summary	: Mix	ture.Not fully t	ested.		
Carcinogenicity					
Conclusion/Summary Classification	: Mix	ture.Not fully t	ested.		
Product/ingredient	OSHA	IARC	NTP		
name					
Titanium dioxide		2B			
<u>Reproductive toxicity</u>					
Conclusion/Summary	: Mix	ture.Not fully t	ested.		
Teratogenicity					
Conclusion/Summary	: Mix	ture.Not fully t	ested.		
Specific target organ toxicit Not available.	y (single exposure)	2			

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Specific target organ toxicity (repeated exposure) Not available.

Aspiration hazard

Aspiration hazard				
Product/ingredient name		Result		
Miscellaneous Compounds Distillates, petroleum,		ASPIRATION HAZARD - Category 1		
hydrotreated middle				
Information on the likely routes of exposure	: Not availa	ıble.		
Potential acute health effects				
Eye contact	: No known	n significant effects or critical hazards.		
Inhalation		a significant effects or critical hazards.		
Skin contact		n significant effects or critical hazards.		
Ingestion		n significant effects or critical hazards.		
Symptoms related to the physical, cl	hemical and tox	icological characteristics		
Eye contact	: No specifi	c data.		
Inhalation	: No specifi			
Skin contact	-	No specific data.		
Ingestion		No specific data.		
<u>Delayed and immediate effects and a</u> <u>Short term exposure</u>	also chronic effe	ects from short and long term exposure		
Potential immediate effects Potential delayed effects	Not availaNot availa			
Long term exposure				
Potential immediate effects Potential delayed effects		Not available. Not available.		
Potential chronic health effects				
Conclusion/Summary	: Mixture.N	Not fully tested.		
General	: No known	n significant effects or critical hazards.		
Carcinogenicity				
Mutagenicity		No known significant effects or critical hazards.		
Teratogenicity		No known significant effects or critical hazards.		

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Developmental effects	:	No known significant effects or critical hazards.
Fertility effects	:	No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
Inhalation (dusts and mists)	15.76 mg/l

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium dioxide			
	Acute LC50 > 1,000,000 µg/l Marine water	Fish - Mummichog	96 h
	Acute LC50 > 1,000 mg/l Fresh water	Fish - Fathead minnow	96 h
	Acute LC50 13 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute LC50 6.5 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute EC50 19.3 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute EC50 27.8 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute EC50 35.306 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h

Conclusion/Summary

: Not available.

Persistence and degradability

Conclusion/Summary

Not available.

:

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Titanium dioxide		352.00	low



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Mobility in soil

Soil/water partition coefficient:Not available.(KOC):No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

Section 14. Transport information

U.S. DOT Classification	:	Not regulated for transportation.
ICAO/IATA	:	Not classified as dangerous good under transport regulations.
IMO/IMDG (maritime)	:	Not classified as dangerous good under transport regulations.

Section 15. Regulatory information

U.S. Federal regulations	: United States - TSCA 12(b) - Chemical export notification: None of the components are listed.
	United States - TSCA 4(a) - Final Test Rules: Not listed
	United States - TSCA 4(a) - ITC Priority list: Not listed
	United States - TSCA 4(a) - Proposed test rules: Not listed
	United States - TSCA 4(f) - Priority risk review: Not listed
	United States - TSCA 5(a)2 - Final significant new use rules: Not

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list	ed
Un	ited States - TSCA 5(a)2 - Proposed significant new use rules:
No	t listed
Un	ited States - TSCA 5(e) - Substances consent order: Not listed
Un	ited States - TSCA 6 - Final risk management: Not listed
Un	ited States - TSCA 6 - Proposed risk management: Not listed
Un	ited States - TSCA 8(a) - Chemical risk rules: Not listed
Un	ited States - TSCA 8(a) - Dioxin/Furane precusor: Not listed
Un	ited States - TSCA 8(a) - Chemical Data Reporting (CDR): No
	ermined
Un	ited States - TSCA 8(a) - Preliminary assessment report
	AIR): Listed Quinacridone (C.I. Pigment Violet 19)
	ited States - TSCA 8(c) - Significant adverse reaction (SAR):
1,0	i libiod
	ited States - TSCA 8(d) - Health and safety studies: Not listed ited States - EPA Clean water act (CWA) section 307 - Priority
	· · · · ·
-	lutants: Not listed ited States - EPA Clean water act (CWA) section 311 -
	zardous substances: Not listed
	ited States - EPA Clean air act (CAA) section 112 - Accidental
	ease prevention - Flammable substances: Not listed
	ited States - EPA Clean air act (CAA) section 112 - Accidental
	ease prevention - Toxic substances: Not listed
1 m	ited States - Department of commerce - Precursor chemical:
	t listed

Clean Air Act Section 112(b)	:	Not listed
Hazardous Air Pollutants (HAPs)		
Clean Air Act Section 602 Class I	:	Not listed
Substances		
Clean Air Act Section 602 Class II	:	Not listed
Substances		
DEA List I Chemicals (Precursor	:	Not listed
Chemicals)		
DEA List II Chemicals (Essential	:	Not listed
Chemicals)		

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification	:	Not applicable.
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Composition/information on ingredients

Name	%	Classification
Titanium dioxide	30 - 60	СН
Miscellaneous Compounds	5 - 10	AH
Distillates, petroleum,		
hydrotreated middle		

SARA 313

	Product name	CAS number	%
Form R - Reporting	Aluminum oxide	1344-28-1	1 - 5
requirements			
Supplier notification	Aluminum oxide	1344-28-1	1 - 5

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations	
Massachusetts	: The following components are listed: Titanium dioxide Silica, amorphous Aluminum oxide
New York	: None of the components are listed.
New Jersey	The following components are listed: Titanium dioxide Aluminum oxide
Pennsylvania	: The following components are listed: Titanium dioxide
	Silica, amorphous
	Aluminum oxide

<u>California Prop. 65</u> WARNING: This product contains a chemical known to the State of California to cause cancer.

United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	All components are listed or exempted.

International regulations

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International lists	:	Australia inventory (AICS): All components are listed or exempted.
		Taiwan inventory (CSNN): Not determined.
		Malaysia Inventory (EHS Register): Not determined.
		EINECS: All components are listed or exempted.
		Japan inventory: Not determined.
		China inventory (IECSC): All components are listed or exempted.
		Korea inventory: All components are listed or exempted.
		New Zealand Inventory of Chemicals (NZIoC): Not determined.
		Philippines inventory (PICCS): All components are listed or
		exempted.
Chemical Weapons Convention	:	Not listed
List Schedule I Chemicals		
Chemical Weapons Convention	:	Not listed
List Schedule II Chemicals		
Chemical Weapons Convention	:	Not listed
List Schedule III Chemicals		

Section 16. Other information

<u>History</u>		
Date of printing	:	06/05/2015
Date of issue/Date of revision	:	06/04/2015
Date of previous issue	:	00/00/0000
Version	:	1.0
Key to abbreviations	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate Bulk Container IMDG = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) UN = United Nations
References	:	Not available.

Notice to reader

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To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that POLYONE CORPORATION

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exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.