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# SAFETY DATA SHEET

## ACRAFAB GREY UV

**Section 1. Identification**

**GHS product identifier** : ACRAFAB GREY UV  
**Chemical name** : Mixture  
**CAS number** : Mixture  
**Other means of identification** : CC10191024  
**Product type** : solid

**Relevant identified uses of the substance or mixture and uses advised against**

**Product use** : Industrial applications. Plastics.

**Supplier's details** : **POLYONE CORPORATION**  
33587 Walker Road, Avon Lake, OH 44012  
  
1 (440) 930-1000 or 1 (866) POLYONE

**Emergency telephone number (with hours of operation)** : **CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).**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. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors 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. After handling, always wash hands thoroughly with soap and water.

**OSHA/HCS status** :

**Classification of the substance or mixture** :

**GHS label elements**

**Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.

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#### Precautionary statements

**General** :  
**Prevention** :  
**Response** :  
**Storage** :  
**Disposal** :  
**Supplemental label elements** :  
**Hazards not otherwise classified** : Not available.

### Section 3. Composition/information on ingredients

**Substance/mixture** :  
**Chemical name** : Mixture  
**Other means of identification** : CC10191024

#### CAS number/other identifiers

Ingredient name	%	CAS number
Rutile, antimony chromium buff	1.9163	68186-90-3
Silica, amorphous	2.0925	7631-86-9
Talc	0.1074	14807-96-6
Titanium dioxide	38.5022	13463-67-7

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 :  
Inhalation :  
Skin contact :  
Ingestion :

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

Eye contact :  
Inhalation :  
Skin contact :  
Ingestion :

##### Over-exposure signs/symptoms

Eye contact :  
Inhalation :  
Skin contact :  
Ingestion :

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician :  
Specific treatments :

Protection of first-aiders :

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

#### Extinguishing media

Suitable extinguishing media :  
Unsuitable extinguishing media :

Specific hazards arising from the chemical :

Hazardous thermal decomposition products :

Special protective actions for fire- :

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fighters  
 Special protective equipment for fire-fighters :

**Section 6. Accidental release measures**

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel :  
 For emergency responders :

Environmental precautions :

Methods and materials for containment and cleaning up

Small spill :  
 Large spill :

**Section 7. Handling and storage**

Precautions for safe handling

Protective measures :  
 Advice on general occupational hygiene :

Conditions for safe storage, including any incompatibilities :

**Section 8. Exposure controls/personal protection**

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Rutile, antimony chromium buff	

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Silica, amorphous	<p><b>NIOSH REL (1994-06-01)</b> Time Weighted Average (TWA) 6 mg/m<sup>3</sup></p>
Talc	<p><b>OSHA PEL 1989 (1989-03-01)</b> PEL: Permissible Exposure Level 2 mg/m<sup>3</sup> Form: Respirable dust <b>NIOSH REL (1994-06-01)</b> Time Weighted Average (TWA) 2 mg/m<sup>3</sup> Form: Respirable fraction <b>ACGIH TLV (1996-05-18)</b> TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 2 mg/m<sup>3</sup> Form: Respirable fraction <b>OSHA - PEL Z3 (1997-09-03)</b> Time Weighted Average (TWA) Form: not/asb <b>Pollutant concentration that should not be exceeded during working hours and which workers are believed to be exposed during a period of 15 minutes maximum, without experiencing: a) irritation. b) chronic or irreversible tissue damage. c) dependent toxic effects of exposure rate. d) Narcosis of sufficient magnitude to increase susceptibility to accidents. e) The reduction of ability to get to safety by their own means.</b> Form: not/asb <b>Time Weighted Average (TWA)</b> Form: con/asb <b>Pollutant concentration that should not be exceeded during working hours and which workers are believed to be exposed during a period of 15 minutes maximum, without experiencing: a) irritation. b) chronic or irreversible tissue damage. c) dependent toxic effects of exposure rate. d) Narcosis of sufficient magnitude to increase susceptibility to accidents. e) The reduction of ability to get to safety by their own means.</b> Form: con/asb <b>ACGIH TLV (1998-09-01)</b> TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level Form: Respirable fibers</p>
Titanium dioxide	<p><b>OSHA PEL 1989 (1989-03-01)</b> PEL: Permissible Exposure Level 10 mg/m<sup>3</sup> Form: Total dust <b>OSHA PEL (1993-06-30)</b> PEL: Permissible Exposure Level 15 mg/m<sup>3</sup> Form: Total dust <b>ACGIH TLV (1996-05-18)</b> TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 10 mg/m<sup>3</sup></p>

Appropriate engineering controls :  
Environmental exposure controls :

Individual protection measures

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Hygiene measures :  
Eye/face protection :

#### Skin protection

Hand protection :  
Body protection :  
Other skin protection :  
Respiratory protection :

## Section 9. Physical and chemical properties

### Appearance

Physical state	:	solid [Pellets.]
Color	:	GREY
Odor	:	Faint odor.
Odor threshold	:	Not available.
pH	:	Not available.
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 (flammable) limits	:	<b>Lower:</b> Not available. <b>Upper:</b> 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-octanol/water	:	Not available.
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	<b>Dynamic:</b> Not available. <b>Kinematic:</b> Not available.

## Section 10. Stability and reactivity

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Reactivity :  
Chemical stability :  
Possibility of hazardous reactions :  
Conditions to avoid :  
Incompatible materials :  
Hazardous decomposition products :

### 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

##### 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	-

**Conclusion/Summary** : Mixture.Not fully tested.

##### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Talc	Skin - Mild irritant	Human		72 hrs	-

**Conclusion/Summary**

**Skin** : Mixture.Not fully tested.  
**Eyes** : Mixture.Not fully tested.  
**Respiratory** : Mixture.Not fully tested.

##### Sensitization

**Conclusion/Summary**

**Skin** : Mixture.Not fully tested.  
**Respiratory** : Mixture.Not fully tested.

##### Mutagenicity

**Conclusion/Summary** : Mixture.Not fully tested.

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#### Carcinogenicity

**Conclusion/Summary** : Mixture.Not fully tested.

#### Classification

Product/ingredient name	OSHA	IARC	NTP
Silica, amorphous		3	
Talc		3	
Titanium dioxide		2B	

#### Reproductive toxicity

**Conclusion/Summary** : Mixture.Not fully tested.

#### Teratogenicity

**Conclusion/Summary** : Mixture.Not fully tested.

#### Specific target organ toxicity (single exposure)

#### Specific target organ toxicity (repeated exposure)

#### Aspiration hazard

**Information on the likely routes of exposure** : Not available.

#### Potential acute health effects

**Eye contact** :  
**Inhalation** :  
**Skin contact** :  
**Ingestion** :

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** :  
**Inhalation** :  
**Skin contact** :  
**Ingestion** :

#### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure



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**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Potential chronic health effects

**Conclusion/Summary** : Mixture. Not fully tested.

**General** :  
**Carcinogenicity** :  
**Mutagenicity** :  
**Teratogenicity** :  
**Developmental effects** :  
**Fertility effects** :

#### Numerical measures of toxicity

##### Acute toxicity estimates

Not available.

## 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.	48 h

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		Water flea	
	Acute EC50 35.306 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
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<b>Remarks - Acute - Aquatic invertebrates.:</b>	Chemicals are not readily available as they are bound within the polymer matrix.		

**Conclusion/Summary** : Chemicals are not readily available as they are bound within the polymer matrix.

**Persistence and degradability**

**Conclusion/Summary** : Chemicals are not readily available as they are bound within the polymer matrix.

**Conclusion/Summary** : Chemicals are not readily available as they are bound within the polymer matrix.

**Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Titanium dioxide		352.00	low

**Mobility in soil**

**Soil/water partition coefficient (KOC)** : Not available.

**Other adverse effects** :

<b>Section 13. Disposal considerations</b>
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<b>Section 14. Transport information</b>
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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.

<b>Section 15. Regulatory information</b>
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U.S. Federal regulations :  
DEA List I Chemicals (Precursor :  
Chemicals)  
DEA List II Chemicals (Essential :  
Chemicals)

#### US. EPA CERCLA Hazardous Substances (40 CFR 302)

#### SARA 311/312

Classification : Acute Health Hazard  
Chronic Health Hazard

#### Composition/information on ingredients

Name	%	Classification
Silica, amorphous	2.0925	F
Talc	0.1074	F, CH
Titanium dioxide	38.5022	CH

#### SARA 313

Not applicable.

#### State regulations

#### International regulations

International lists :  
Chemical Weapons Convention :  
List Schedule I Chemicals  
Chemical Weapons Convention :  
List Schedule II Chemicals  
Chemical Weapons Convention :  
List Schedule III Chemicals

## Section 16. Other information

#### History

Date of printing : 04/28/2015  
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Date of previous issue : 12/05/2013

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<b>Version</b>	:	1.1
<b>Key to abbreviations</b>	:	ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Intermediate 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
<b>References</b>	:	Not available.

**Notice to reader**

**To the best of our knowledge, the information contained herein is accurate. However, neither the above-named 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 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.**