

## SAFETY DATA SHEET

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# SAFETY DATA SHEET

## UV GLO WHITE PE

### Section 1. Identification

GHS product identifier : UV GLO WHITE PE  
Chemical name : Mixture  
CAS number : Mixture  
Other means of identification : CC10143107  
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).

### 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.

**Precautionary statements**

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General :  
Prevention :  
Response :  
Storage :  
Disposal :  
Supplemental label elements :  
Hazards not otherwise classified :

**Section 3. Composition/information on ingredients**

Substance/mixture :  
Chemical name : Mixture  
Other means of identification : CC10143107

CAS number/other identifiers

Ingredient name	%	CAS number
Aluminum oxide	2.9	1344-28-1
Yttrium oxide	2.5	Not available.
Calcium oxide	1.35	1305-78-8
Yttrium sulfide (Y2S3)	1.15	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

Eye contact :  
Inhalation :  
Skin contact :

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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. Firefighting measures**
**Extinguishing media**

Suitable extinguishing media :  
Unsuitable extinguishing media :

Specific hazards arising from the chemical :  
Hazardous thermal decomposition products :

Special protective actions for fire-fighters :  
Special protective equipment for fire-fighters :

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**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
Aluminum oxide	<b>OSHA PEL 1989 (1989-03-01)</b> TWA 10 mg/m <sup>3</sup> Form: Dust TWA 5 mg/m <sup>3</sup> Form: Respirable fraction <b>OSHA PEL (1993-06-30)</b> TWA 15 mg/m <sup>3</sup> Form: Total dust TWA 5 mg/m <sup>3</sup> Form: Respirable fraction <b>ACGIH TLV (2008-01-01)</b> TWA 1 mg/m <sup>3</sup> Form: Respirable fraction

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Yttrium oxide	<b>ACGIH TLV (1994-09-01)</b> TWA 1 mg/m <sup>3</sup> (Calculated as Y)
Calcium oxide	None.
Yttrium sulfide (Y <sub>2</sub> S <sub>3</sub> )	<b>ACGIH TLV (1994-09-01)</b> TWA 1 mg/m <sup>3</sup> (Calculated as Y)

Appropriate engineering controls :  
Environmental exposure controls :

**Individual protection measures**

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 : WHITE  
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 : **Lower:** Not available.  
**Upper:** Not available.  
Vapor pressure : Not available.

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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**

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**

<b>Remarks - Oral:</b>	No applicable toxicity data
<b>Remarks - Inhalation:</b>	No applicable toxicity data
<b>Remarks - Dermal:</b>	No applicable toxicity data
<b>Remarks - Oral:</b>	No applicable toxicity data
<b>Remarks - Inhalation:</b>	No applicable toxicity data
<b>Remarks - Dermal:</b>	No applicable toxicity data
<b>Remarks - Oral:</b>	No applicable toxicity data
<b>Remarks - Inhalation:</b>	No applicable toxicity data
<b>Remarks - Dermal:</b>	No applicable toxicity data
<b>Remarks - Oral:</b>	No applicable toxicity data
<b>Remarks - Inhalation:</b>	No applicable toxicity data

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<b>Remarks - Dermal:</b>	No applicable toxicity data
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**Conclusion/Summary** : Mixture.Not fully tested.

**Irritation/Corrosion**

**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.

**Carcinogenicity**

**Conclusion/Summary**

: Mixture.Not fully tested.

**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 likely routes of exposure**

: Not available.

**Potential acute health effects**

**Eye contact**

:

**Inhalation**

:

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Skin contact :  
Ingestion :

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

Eye contact :  
Inhalation :  
Skin contact :  
Ingestion :

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**
**Short term exposure**

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**



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Product/ingredient name	Result	Species	Exposure
Aluminum oxide			
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
	Acute EC50 114.357 Mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
<b>Remarks - Acute - Aquatic invertebrates.:</b>	Acute		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		
Calcium oxide			
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic invertebrates.:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
	Chronic NOEC 100 Mg/l Fresh water	Fish - Fish	46 d
<b>Remarks - Chronic - Fish:</b>	Chronic		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		
Yttrium oxide			
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic invertebrates.:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		
Yttrium sulfide (Y2S3)			
<b>Remarks - Acute - Fish:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic invertebrates.:</b>	No applicable toxicity data		
<b>Remarks - Acute - Aquatic plants:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Fish:</b>	No applicable toxicity data		
<b>Remarks - Chronic - Aquatic invertebrates.:</b>	No applicable toxicity data		
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<b>Remarks - Acute - Aquatic</b>	Chemicals are not readily available as they are bound within the polymer matrix.		

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<b>invertebrates.:</b>	
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**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.

**Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
Calcium oxide	-	2.34	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 49CFR Ground/Air/Water : Not regulated for transportation.

International Air ICAO/IATA : Not classified as dangerous goods under transport regulations.

International Water IMO/IMDG : Not classified as dangerous goods under transport regulations.

<b>Section 15. Regulatory information</b>
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U.S. Federal regulations :



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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

### Composition/information on ingredients

Not applicable.

### State regulations California Prop. 65

### International regulations

#### Inventory list

Australia :  
Canada :  
China :  
Europe inventory :  
Japan :  
New Zealand :  
Philippines :  
Republic of Korea :  
Taiwan :  
Turkey :  
United States :

## Section 16. Other information

### History

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<b>Date of printing</b>	:	11/14/2019
<b>Date of issue/Date of revision</b>	:	11/13/2019
<b>Date of previous issue</b>	:	03/29/2014
<b>Version</b>	:	1.2
<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 = 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.