

## SAFETY DATA SHEET

**10009HDC HIGH DENSITY CLEAR**

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## 10009HDC HIGH DENSITY CLEAR

### Section 1. Identification

**GHS product identifier** : 10009HDC HIGH DENSITY CLEAR  
**Chemical name** : Mixture  
**CAS number** : Mixture  
**Other means of identification** : FO00000343  
**Product type** : liquid

**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 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. 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.

**OSHA/HCS status** :  
**Classification of the substance or mixture** :  
**Supplemental label elements** :  
**Hazards not otherwise classified** : Not available.

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

Substance/mixture :  
Chemical name : Mixture  
Other means of identification : FO00000343

CAS number/other identifiers

Ingredient name	%	CAS number
Silica, amorphous, fumed, crystal-free	1.768	112945-52-5

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 :  
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 :

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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-  
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**

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#### 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
Silica, amorphous, fumed, crystal-free	NIOSH REL (1994-06-01) Time Weighted Average (TWA) 6 mg/m <sup>3</sup>

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 : liquid [Paste.]  
Color : NO PIGMENT

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Odor	:	Not available.
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	:	Not available.
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

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Product/ingredient name	Result	Species	Dose	Exposure
Silica, amorphous, fumed, crystal-free				
	LD50 Oral	Rat	3,160 mg/kg	-

**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.

**Classification**

Product/ingredient name	OSHA	IARC	NTP
Silica, amorphous, fumed, crystal-free		3	

**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** : Not available.

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exposure

**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**

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.

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**Section 12. Ecological information****Toxicity**

Conclusion/Summary : Not available.

**Persistence and degradability**

Conclusion/Summary : Not available.

**Bioaccumulative potential****Mobility in soil**

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

Other adverse effects :

**Section 13. Disposal considerations****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 : US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D): Alkenes, C12-24, chloro

Clean Air Act Section 112(b) :  
Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I :



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**Substances**

**Clean Air Act Section 602 Class II Substances** :  
**DEA List I Chemicals (Precursor Chemicals)** :  
**DEA List II Chemicals (Essential Chemicals)** :

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

not applicable

**SARA 311/312**

**Classification** : Acute Health Hazard

**Composition/information on ingredients**

Name	%	Classification
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**SARA 313**

Not applicable.

**State regulations**

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

**Canada inventory** : All components are listed or exempted.

**International regulations**

**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):** All components are listed or exempted.
- Philippines inventory (PICCS):** All components are listed or exempted.

**Chemical Weapons Convention List Schedule I Chemicals** : Not listed

**Chemical Weapons Convention** : Not listed

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List Schedule II Chemicals  
Chemical Weapons Convention : Not listed  
List Schedule III Chemicals

**Section 16. Other information****History**

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Date of issue/Date of revision : 12/12/2014  
Date of previous issue : 03/26/2009  
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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 = 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

References : 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.