

SAFETY DATA SHEET**AM100 OFF WHITE**Version Number 1.3
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Print Date 09/29/2015**SAFETY DATA SHEET****AM100 OFF WHITE****Section 1. Identification**

GHS product identifier : AM100 OFF WHITE
Chemical name : Mixture
CAS number : Mixture
Other means of identification : FO20000605
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. 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 : FO20000605

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	1.8855	13463-67-7
Methyl ethyl ketone	60.0335	78-93-3

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 :

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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-fighters :

Special protective equipment for fire-fighters :

Section 6. Accidental release measures

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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
Titanium dioxide	<p>OSHA PEL 1989 (1989-03-01) PEL: Permissible Exposure Level 10 mg/m³ Form: Total dust</p> <p>OSHA PEL (1993-06-30) PEL: Permissible Exposure Level 15 mg/m³ Form: Total dust</p> <p>NIOSH REL (1994-06-01)</p> <p>ACGIH TLV (1996-05-18) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 10 mg/m³</p>

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Methyl ethyl ketone	<p>OSHA PEL 1989 (1989-03-01) PEL: Permissible Exposure Level 590 mg/m³ 200 ppm Short Term Exposure Limit value for a 15-minute reference period expressed in parts per million or in mg/m³. 885 mg/m³ 300 ppm</p> <p>OSHA PEL (1993-06-30) PEL: Permissible Exposure Level 590 mg/m³ 200 ppm</p> <p>NIOSH REL (1994-06-01) Time Weighted Average (TWA) 590 mg/m³ 200 ppm Short Term Exposure Limit value for a 15-minute reference period expressed in parts per million or in mg/m³. 885 mg/m³ 300 ppm</p> <p>ACGIH TLV (1994-09-01) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 590 mg/m³ 200 ppm TLV-STEL: Threshold Limit Value - Short Time Exposure Level 885 mg/m³ 300 ppm</p>
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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 [liquid]
 Color : WHITE
 Odor : Not available.
 Odor threshold : Not available.
 pH : Not available.
 Melting point : Not available.
 Boiling point : Not available.

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Flash point	:	Closed cup: -9 °C (15.80 °F)
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.
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	:	Dynamic: Not available. Kinematic: 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

Product/ingredient name	Result	Species	Dose	Exposure
Titanium dioxide	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h

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	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Methyl ethyl ketone				
	LD50 Oral	Rat	2,737 mg/kg	-
	LC50 Inhalation	Rat	24 mg/l	8 h
	LD50 Dermal	Rabbit	6,480 mg/kg	-

Conclusion/Summary : Mixture.Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Methyl ethyl ketone	Skin - Moderate irritant	Rabbit		24 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.

Carcinogenicity

Conclusion/Summary : Mixture.Not fully tested.

Classification

Product/ingredient name	OSHA	IARC	NTP
Titanium dioxide		2B	

Reproductive toxicity

Conclusion/Summary : Mixture.Not fully tested.

Teratogenicity

Conclusion/Summary : Mixture.Not fully tested.

Specific target organ toxicity (single exposure)

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Print Date 09/29/2015**Specific target organ toxicity (repeated exposure)****Aspiration hazard**

Information on the likely routes of exposure : Not available.

Potential acute health effectsEye 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 :

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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 - Fish	96 h
	Acute LC50 > 1,000 mg/l Fresh water	Fish - Fish	96 h
	Acute LC50 13 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute LC50 6.5 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 19.3 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 27.8 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 35.306 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute LC50 3 mg/l Fresh water	Aquatic invertebrates. Crustacean Order	48 h
	Acute LC50 15.9 mg/l Fresh water	Aquatic invertebrates. Crustacean Order	48 h
	Acute LC50 3.6 mg/l Fresh water	Aquatic invertebrates. Crustacean Order	48 h
	Acute LC50 11 mg/l Fresh water	Aquatic invertebrates. Crustacean Order	48 h
	Acute LC50 13.4 mg/l Fresh water	Aquatic invertebrates. Crustacean Order	48 h
Methyl ethyl ketone			
	Acute LC50 3,220,000 µg/l Fresh water	Fish - Fish	96 h
	Acute LC50 5,600 mg/l Fresh water	Fish - Fish	96 h
	Acute EC50 5,091,000 µg/l Fresh	Aquatic invertebrates.	48 h

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	water	Daphnia	
	Acute EC50 > 500,000 µg/l Marine water	Aquatic plants - Algae	96 h
	Acute EC50 > 500 mg/l Fresh water	Aquatic plants - Algae	96 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
Methyl ethyl ketone	0.29	-	low

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
 Proper Shipping Name: Resin solution
 Technical Name:
 Hazard Class / Division 3
 UN Number UN1866
 Packing Group II
 Label Required 3

ICAO/IATA Consult mode specific transport rules

IMO/IMDG (maritime) Consult mode specific transport rules

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Section 15. Regulatory information

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
Titanium dioxide	1.8855	CH
Methyl ethyl ketone	60.0335	F, AH

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 : 09/29/2015
Date of issue/Date of revision : 09/28/2015

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Date of previous issue	:	08/29/2007
Version	:	1.3
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

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