

SAFETY DATA SHEET**DM662B PURPLE (SM1217-0965)**Version Number 1.3
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Print Date 01/09/2015**SAFETY DATA SHEET****DM662B PURPLE (SM1217-0965)****Section 1. Identification**

GHS product identifier : DM662B PURPLE (SM1217-0965)
Chemical name : Mixture
CAS number : Mixture
Other means of identification : FO20020021
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 : FO20020021

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	0.101	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

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 necessaryNotes 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 upSmall 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
Titanium dioxide	OSHA PEL 1989 (1989-03-01) PEL: Permissible Exposure Level 10 mg/m ³ Form: Total dust OSHA PEL (1993-06-30) PEL: Permissible Exposure Level 15 mg/m ³ Form: Total dust NIOSH REL (1994-06-01) ACGIH TLV (1996-05-18) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 10 mg/m ³

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 :

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Section 9. Physical and chemical properties

Appearance

Physical state	:	liquid [liquid]
Color	:	PURPLE
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	:	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

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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

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
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)

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Print Date 01/09/2015**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**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**

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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 5.5 mg/l Fresh water	Aquatic invertebrates. Water flea	48 h
	Acute LC50 10 mg/l Fresh water	Aquatic invertebrates. Water flea	48 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 35.9 mg/l Fresh water	Aquatic plants - Green algae	72 h
	Acute EC50 5.83 mg/l Fresh water	Aquatic plants - Green algae	72 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

Mobility in soil

Soil/water partition coefficient : Not available.

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(KOC)
Other adverse effects :

Section 13. Disposal considerations

Section 14. Transport information

U.S. DOT Classification : Not regulated for transportation.
ICAO/IATA : Consult mode specific transport rules
IMO/IMDG (maritime) : Consult mode specific transport rules

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	0.101	CH

SARA 313
Not applicable.

State regulations

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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 : 01/09/2015
Date of issue/Date of revision : 12/29/2014
Date of previous issue : 03/19/2013
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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