

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 1 of 19
Print Date 08/02/2018

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Section 1. Identification

GHS product identifier : 16305-01 EXPWR8190 NAT
 Chemical name : Mixture
 CAS number : Mixture
 Other means of identification : VC10007900
 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 for health effects. All ingredients are bound in a PVC polymer matrix and potential for hazardous exposure as shipped is minimal. PVC resin is manufactured from Vinyl Chloride Monomer (VCM). PVC resin manufacturers take special efforts to strip residual VCM from their resins. Residual VCM in the resin is typically below 8.5 ppm. However, VCM is a known carcinogen. The end-user (fabricator) should take necessary precautions (mechanical ventilation, local exhaust, respiratory protection, etc.) to protect employees from exposure to any vapors or dusts that may be released during heating or fabrication. See Sections 8 and 11 for special precautions. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 2 of 19
Print Date 08/02/2018

GHS label elements

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

Precautionary statements

General : Not applicable.
Prevention : Not applicable.
Response : Not applicable.
Storage : Not applicable.
Disposal : Not applicable.
Supplemental label elements : None known.
Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Chemical name : Mixture
Other means of identification : VC10007900

CAS number/other identifiers

Ingredient name	%	CAS number
Diundecyl phthalate	10 - 25	3648-20-2
Antimony trioxide	1 - 3	1309-64-4
Quartz	0.1 - 0.3	14808-60-7

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.

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 3 of 19
Print Date 08/02/2018

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Slightly irritating to the eyes.No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.No known significant effects or critical hazards.
- Skin contact** : Slightly irritating to the skin.No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.No known significant effects or critical hazards.

Over-exposure signs/symptoms

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 4 of 19
Print Date 08/02/2018

Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.

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

Notes to physician	:	No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures
Extinguishing media

Suitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or CO ₂ . In case of fire, use water spray (fog), foam, dry chemical or CO ₂ .
Unsuitable extinguishing media	:	None known. None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard. No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides May emit Hydrogen Chloride (HCl). Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
Special protective actions for fire-	:	Promptly isolate the scene by removing all persons from the vicinity

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 5 of 19
Print Date 08/02/2018

- fighters** of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

- Small spill** : Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13

SAFETY DATA SHEET


16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 6 of 19
Print Date 08/02/2018

for waste disposal. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
-----------------	-----------------

SAFETY DATA SHEET


16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 7 of 19
Print Date 08/02/2018

Quartz	<p>OSHA PEL 1989 (1989-03-01) Calculated as Quartz PEL: Permissible Exposure Level 0.1 mg/m³ Form: Respirable dust OSHA - PEL Z3 (1997-09-03) Time Weighted Average (TWA) Form: Respirable Time Weighted Average (TWA) 10 mg/m³ Form: Respirable Time Weighted Average (TWA) 30 mg/m³ Form: Total dust NIOSH REL (1994-06-01) Time Weighted Average (TWA) 0.05 mg/m³ Form: Respirable dust ACGIH TLV (2005-12-09) TLV-TWA: Threshold Limit Value - Time weighted average PEL: Permissible Exposure Level 0.025 mg/m³ Form: Respirable fraction</p>
Antimony trioxide	<p>OSHA PEL (1993-06-30) expressed as Sb PEL: Permissible Exposure Level 0.5 mg/m³ NIOSH REL (1994-06-01) expressed as Sb Time Weighted Average (TWA) 0.5 mg/m³ OSHA PEL 1989 (1989-03-01) expressed as Sb PEL: Permissible Exposure Level 0.5 mg/m³ ACGIH TLV (1994-09-01)</p>
Diundecyl phthalate	

- Appropriate engineering controls** : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end

SAFETY DATA SHEET


16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 8 of 19
Print Date 08/02/2018

of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. 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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

- : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection
Hand protection

- : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

- : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

- : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

- : Use a properly fitted, particulate filter respirator complying with an

SAFETY DATA SHEET


16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 9 of 19
Print Date 08/02/2018

approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state	:	solid [Pellets.]
Color	:	NO PIGMENT
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	:	No specific test data related to reactivity available for this product or its ingredients.
------------	---	--------------------------------------------------------------------------------------------

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 10 of 19
Print Date 08/02/2018

- Chemical stability** : Stable under recommended storage and handling conditions (see Section 7). Stable under recommended storage and handling conditions (see Section 7).
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : Keep away from extreme heat and oxidizing agents. Keep away from extreme heat and oxidizing agents.
- Incompatible materials** : Avoid contact with acetal homopolymers and acetyl homopolymers during processing. Avoid contact with acetal homopolymers and acetyl homopolymers during processing.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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
Antimony trioxide				
	LD50 Oral	Rat	34,600 mg/kg	-
	LD50 Oral	Rat	34,000 mg/kg	-
Diundecyl phthalate				

Conclusion/Summary : Mixture. Not fully tested.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Antimony trioxide	Eyes - Mild irritant	Rabbit			-
Diundecyl phthalate	Eyes - Mild irritant	Rabbit			-

Conclusion/Summary

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

Sensitization

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 11 of 19
Print Date 08/02/2018

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
Quartz		1	Known to be a human carcinogen.
Antimony trioxide		2B	

Reproductive toxicity

Conclusion/Summary : Mixture.Not fully tested.

Teratogenicity

Conclusion/Summary : Mixture.Not fully tested.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Slightly irritating to the eyes. No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact : Slightly irritating to the skin. No known significant effects or critical hazards.

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 12 of 19
Print Date 08/02/2018

Ingestion : No known significant effects or critical hazards. No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

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 : Contains material that can cause target organ damage. No known significant effects or critical hazards.

Carcinogenicity : Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure. No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards. No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards. No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards. No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity
Acute toxicity estimates

Not available.

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 13 of 19
Print Date 08/02/2018

Section 12. Ecological information
Toxicity

Product/ingredient name	Result	Species	Exposure
Antimony trioxide			
	Acute LC50 > 530 mg/l Fresh water	Fish - Fish	96 h
	Acute LC50 > 1,000,000 µg/l Marine water	Fish - Fish	96 h
	Acute EC50 423,450 µg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 560 mg/l Fresh water	Aquatic invertebrates. Crustaceans	48 h
	Acute EC50 730 µg/l Fresh water	Aquatic plants - Algae	72 h
	Acute EC50 760 µg/l Fresh water	Aquatic plants - Algae	96 h
	Acute EC50 740 µg/l Fresh water	Aquatic plants - Algae	96 h
	Acute NOEC 200 µg/l Fresh water	Aquatic plants - Algae	4 d
Diundecyl phthalate			
	Acute EC50 12 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Acute EC50 15 mg/l Fresh water	Aquatic invertebrates. Daphnia	48 h
	Chronic NOEC 59 µg/l Fresh water	Aquatic invertebrates. Daphnia	21 d
	Chronic NOEC 7.6 mg/l Fresh water	Aquatic invertebrates. Daphnia	21 d
	Chronic NOEC 7.6 mg/l Fresh water	Aquatic invertebrates. Daphnia	21 d
16305-01 EXPWR8190 NAT			
Remarks - Acute - Aquatic invertebrates.:	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.

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 14 of 19
Print Date 08/02/2018

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Diundecyl phthalate		21.40	low

Mobility in soil

- Soil/water partition coefficient (KOC)** : Not available.
- Other adverse effects** : No known significant effects or critical hazards.No known significant effects or critical hazards.

Section 13. Disposal considerations

- Disposal methods** :
- The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Acute hazardous waste "P" List: Not listed

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 15 of 19
Print Date 08/02/2018

United States - RCRA Toxic hazardous waste "U" List: Not listed

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 : **United States - TSCA 12(b) - Chemical export notification:** None of the components are listed.
United States - TSCA 4(a) - Final Test Rules: Not listed
United States - TSCA 4(a) - ITC Priority list: Not listed
United States - TSCA 4(a) - Proposed test rules: Not listed
United States - TSCA 4(f) - Priority risk review: Not listed
United States - TSCA 5(a)2 - Final significant new use rules: Not listed
United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed
United States - TSCA 5(e) - Substances consent order: Not listed
United States - TSCA 6 - Final risk management: Not listed
United States - TSCA 6 - Proposed risk management: Listed
Lead

United States - TSCA 8(a) - Chemical risk rules: Not listed
United States - TSCA 8(a) - Dioxin/Furane precursor: Not listed
United States - TSCA 8(a) - Chemical Data Reporting (CDR): Not determined
United States - TSCA 8(a) - Preliminary assessment report (PAIR): Not listed
United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed
United States - TSCA 8(d) - Health and safety studies: Not listed
United States - EPA Clean water act (CWA) section 307 - Priority pollutants: Listed Antimony trioxide
Zinc borate
Zinc stearate
Arsenic
Vinyl chloride monomer
Lead

SAFETY DATA SHEET

16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 16 of 19
Print Date 08/02/2018

United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Listed
United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed
United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed
United States - Department of commerce - Precursor chemical: Not listed

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) : Listed
Clean Air Act Section 602 Class I Substances : Not listed
Clean Air Act Section 602 Class II Substances : Not listed
DEA List I Chemicals (Precursor Chemicals) : Not listed
DEA List II Chemicals (Essential Chemicals) : Not listed

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

Name	%	Classification
Quartz	0.1 - 0.3	CH
Antimony trioxide	1 - 3	AH, CH
Diundecyl phthalate	10 - 25	AH

SARA 313

Form R - Reporting requirements	Product name	CAS number	%
	Lead	7439-92-1	0 - 0.1
	Antimony trioxide	1309-64-4	1 - 3
Supplier notification	Antimony trioxide	1309-64-4	1 - 3

SAFETY DATA SHEET


16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 17 of 19
Print Date 08/02/2018

	Lead	7439-92-1	0 - 0.1
--	------	-----------	---------

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations
Massachusetts

- : The following components are listed:
Calcium carbonate
Antimony trioxide

New York

- : The following components are listed:
Antimony trioxide

New Jersey

- : The following components are listed:
Antimony trioxide
Quartz
Ethene, chloro-, homopolymer
Calcium carbonate
Kaolin

Pennsylvania

- : The following components are listed:
Calcium carbonate

Aluminum hydroxide

Kaolin

Aluminate (Al(OH)₆3-), (OC-6-11)-, magnesium carbonate hydroxide (2:6:1:4)

Antimony trioxide

Quartz

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

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): All components are listed or exempted.
Malaysia Inventory (EHS Register): Not determined.

SAFETY DATA SHEET


16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 18 of 19
Print Date 08/02/2018

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

Section 16. Other information

History

Date of printing : 08/02/2018
Date of issue/Date of revision : 10/05/2016, 10/05/2016
Date of previous issue : 05/04/2016
Version : 1, 1.4, 4

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.

SAFETY DATA SHEET



16305-01 EXPWR8190 NAT

Version Number 1.4
Revision Date 10/05/2016

Page 19 of 19
Print Date 08/02/2018
