PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018 Page 1 of 17 Print Date 10/13/2018

SAFETY DATA SHEET

PS4 SKI GREY/SA/BDT5510

Section 1. Identification	on	
GHS product identifier	:	PS4 SKI GREY/SA/BDT5510
Chemical name	:	Mixture
CAS number	:	Mixture CC102018C0
Other means of identification	:	CC10291869
Product type	:	solid
Relevant identified uses of the subs	tance	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	:	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.
GHS label elements		
Signal word	:	No signal word.
		1/17

PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018 Page 2 of 17 Print Date 10/13/2018

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	:	CC10291869

CAS number/other identifiers

Ingredient name	%	CAS number
Titanium dioxide	25 - 50	13463-67-7
2-Propenenitrile, polymer with Ethenylbenzene	10 - 25	9003-54-7
Decanedioic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester	10 - 25	52829-07-9
Stearic acid	1 - 3	57-11-4
Carbon black	0.3 - 1	1333-86-4

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.



PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018 Page 3 of 17 Print Date 10/13/2018

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	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	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	:	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	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	No known significant effects or critical hazards.
Ingestion	:	No known significant effects or critical hazards.
Over-exposure signs/symptoms		
Eye contact	:	No specific data.
Inhalation	:	No specific data.
Skin contact	:	No specific data.
Ingestion	:	No specific data.
Indication of immediate medical at	tentio	on and special treatment needed, if necessary
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	:	No specific treatment.
		3/17

)ne

PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018 Page 4 of 17 Print Date 10/13/2018

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	In case of fire, use water spray (fog), foam, dry chemical or $\rm CO_2$. None known.
Specific hazards arising from the chemical	:	No specific fire or explosion hazard.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides
Special protective actions for fire- fighters	:	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.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel For emergency responders	:	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. If specialized 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).



PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018

Page 5 of 17 Print Date 10/13/2018

Methods and materials for containment and cleaning up

Small spill	:	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. 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 Advice on general occupational hygiene	:	Put on appropriate personal protective equipment (see Section 8). 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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits	
Carbon black	OSHA PEL 1989 (1989-03-01) TWA 3.5 mg/m3 OSHA PEL (1993-06-30)	



PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018 Page 6 of 17 Print Date 10/13/2018

TWA 3.5 mg/m3 TWA 0.1 mgPAH/m³ ACGIH TLV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fractionStearic acidNone.2-Propenenitrile, polymer with EthenylbenzeneNone.Decanedioic acid, bis(2,2,6,6- tetramethyl-4-piperidinyl) esterNone.Titanium dioxideOSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL 1(1993-06-30) TWA 10 mg/m3 Form: Total dust ACGIH TUX (1996-05-18) TWA 10 mg/m3Appropriate engineering controls:Good general ventilation should be sufficient to control worker exposure to airborne contaminants.Environmental exposure controls:Good general ventilation should be sufficient to control worker exposure to airborne contaminants.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 of the working period. Appropriate technique, Wash contaminated clothing before reasing. Ensure that eyewash stations and safety showers are close to the workstation location.Eye/face protection:Safety eyewar complying with an approved standard should be used whon a risk assessment indicates this is necessary to avoid exposure to liquid plashes, mists, gasses or duss. 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:Chemical-resistant, impervious gloves complying with an approved			TWA 3.5 mg/m3		
TWA 0.1 mgPAH/m³ ACGHTUV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fractionStearic acidNone.2-Propenenitrile, polymer with EthenylbenzeneNone.Decanedioic acid, bis(2,2,6,6- tetramethyl-4-piperidinyl) esterNone.Titanium dioxideOSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGHI TLV (1996-05-18) TWA 10 mg/m3Appropriate engineering controls:Environmental exposure controls:Environmental exposure controls:Environmental protection legislation. In some cases, find scenario to airborne contaminants. Environmental protection legislation. In some cases, find scenario to a control possible be used to remove potentially on the requirements of environmental protection legislation. In some cases, find scenario to a control possible be used to remove potentially contaminated clothing. Mash contaminated clothing before returns, such a paper scenario to a control work 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 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 stader should be used to reforming protection should be worn, unless the assessment indicates a higher degree of protection.			NIOSH REL (1994-06-01)		
ACGH TLV (2010-12-06) TWA 3 mg/m3 Form: Inhalable fraction Stearic acid None. 2-Propenenitrile, polymer with Ethenylbenzene None. Decanedioic acid, bis(2,2,6,6- tetramethyl-4-piperidinyl) ester None. Titanium dioxide OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust OSHA PEL (1993-06-518) TWA 10 mg/m3 Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Environmental exposure controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Individual protection measures : 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 studied 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 safety glasses with side-shields. Skin protection : Chemical-resistant, impervious gloves complying with an approved					
Stearic acid None. 2.Propenenitrile, polymer with Ethenylbenzene None. Decanedioic acid, bis(2,2,6,6- tetramethyl-4-piperidinyl) ester None. Titanium dioxide OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3 Appropriate engineering controls : 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, finders or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Individual protection measures : 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 standar 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 wit					
2-Propenenitrile, polymer with Ethenylbenzene None. Decanedioic acid, bis(2,2,6,6- tetramethyl-4-piperidinyl) ester None. Titanium dioxide OSHA PEL 1989 (1989-03-01) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3 Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Environmental exposure controls : Good general ventilation. In some cases, fume scrubbers, filters or engineering modifications to the 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 : 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 eywear 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 <th></th> <th></th> <th></th>					
Ethenylbenzene Image: Constraint of the second	Stearic acid		None.		
tetramethyl-4-piperidinyl) ester OSHA PEL 1989 (1989-03-01) Titanium dioxide OSHA PEL (1993-06-30) TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) Appropriate engineering controls : 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. Individual protection measures : 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 colose to the workstation location. Eye/face protection : Safety eyewacr 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 dust. If contact is possible, the following protection should be work, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Skin protection : Chemical-resistant, impervious gloves complying with an approved <th></th> <th></th> <th>None.</th>			None.		
TWA 10 mg/m3 Form: Total dust OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3Appropriate engineering controls: 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 measuresHygiene measures:Hygiene measures:Eve/face protection:Safety eyewear complying with an approved shight adaption protection works, miss, gases or dusts. If contact is possible, the following protection: safety egyeses or group or protection: safety egyeses or dusts. If contact is possible, the following protection: safety egyeses or dusts. If contact is possible, the following protection: safety egyeses or dusts. If contact is possible, the following protection: safety egyeses or dusts. If contact is possible, the following protection is aftery glasses with side-shields.Skin protection:Chemical-resistant, impervious gloves complying with an approved			None.		
OSHA PEL (1993-06-30) TWA 15 mg/m3 Form: Total dust ACGIH TLV (1996-05-18) TWA 10 mg/m3Appropriate engineering controls:Environmental exposure controls:Good general ventilation should be sufficient to control worker exposure to airborne contaminants. 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: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, 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:Chemical-resistant, impervious gloves complying with an approved	Titanium dioxide				
TWA 15 mg/m3 Form: Total dust ACGHI TLV (1996-05-18) TWA 10 mg/m3 Appropriate engineering controls : 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. Individual protection measures : 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, gases or dusts. If contact is possible, the following protection should be work, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Skin protection : Chemical-resistant, impervious gloves complying with an approved					
ACGIH TLV (1996-05-18) TWA 10 mg/m3Appropriate engineering controls: 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.Individual protection measures:Hygiene measures:Eye/face protection:Safety eyewear complying with an approvedEye/face protection:Skin protection:Chain protection:Chemical-resistant, impervious gloves complying with an approved					
TWA 10 mg/m3Appropriate engineering controls: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.Individual protection measures:Hygiene measures:Eye/face protection:Safety eyewear complying with an approvedSkin protection:Skin protection:Chemical-resistant, impervious gloves complying with an approved					
Appropriate engineering controls: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.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 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, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection:Skin protection:Chemical-resistant, impervious gloves complying with an approved					
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.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 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, 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:Chemical-resistant, impervious gloves complying with an approved			, , , , , , , , , , , , , , , , , , ,		
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.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 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, gases or dusts. If contact is possible, the following protection: safety glasses with side-shields.Skin protection:Hand protection:Chemical-resistant, impervious gloves complying with an approved	Appropriate engineering controls	:			
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: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, 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:Chemical-resistant, impervious gloves complying with an approved	Environmental emogune controls				
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 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, gases or dusts. If contact is possible, the following protection: safety glasses with side-shields.Skin protection:Hand protection:Chemical-resistant, impervious gloves complying with an approved	Environmental exposure controls	•			
Individual protection measuresHygiene measures: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 eyewar 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:Chemical-resistant, impervious gloves complying with an approved					
necessary to reduce emissions to acceptable levels.Individual protection measures: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, 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:Chemical-resistant, impervious gloves complying with an approved					
Hygiene measures: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, 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:Chemical-resistant, impervious gloves complying with an approved					
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, 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:Chemical-resistant, impervious gloves complying with an approved	Individual protection measures				
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, 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:Chemical-resistant, impervious gloves complying with an approved	Hygiene measures	:	Wash hands, forearms and face thoroughly after handling chemical		
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, 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: Chemical-resistant, impervious gloves complying with an approved	,				
Eye/face protection: Chemical-resistant, impervious gloves complying with an approvedEye/face protection: Chemical-resistant, impervious gloves complying with an approved					
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, 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: Chemical-resistant, impervious gloves complying with an approved					
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, 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: Chemical-resistant, impervious gloves complying with an approved					
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:Chemical-resistant, impervious gloves complying with an approved	Eve/face protection				
Iiquid 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 : Chemical-resistant, impervious gloves complying with an approved	Eyenace protection	•			
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					
Skin protection : Chemical-resistant, impervious gloves complying with an approved			01		
Hand protection : Chemical-resistant, impervious gloves complying with an approved			higher degree of protection: safety glasses with side-shields.		
	Skin protection				
6/17	Hand protection	:	Chemical-resistant, impervious gloves complying with an approved		
			6/17		



PS4 SKI GREY/SA/BDT5510

Version Number 1.0	Page 7 of 17
Revision Date 10/10/2018	Print Date 10/13/2018

	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.
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	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state	:	solid [Pellets.]
Color	:	GREY
Odor	:	Faint odor.
Odor threshold	:	Not available.
рН	:	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	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	insoluble in water.
Partition coefficient: n-	:	Not available.
octanol/water		
Auto-ignition temperature	:	Not available.
Decomposition temperature	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
·		Kinematic: Not available.



PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018

Page 8 of 17 Print Date 10/13/2018

Section 10. Stability and reactivity

Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	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.
Conditions to avoid	:	Keep away from extreme heat and oxidizing agents.
Incompatible materials	:	Keep away from strong acids. Oxidizer.
Hazardous decomposition products	:	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			
Carbon black							
	LD50 Oral	Rat	15,400 mg/kg	-			
Remarks - Inhalation:	No applicable toxi	city data					
Remarks - Dermal:	No applicable toxi	city data					
Stearic acid							
	LD50 Oral	Rat	4,600 mg/kg	-			
Remarks - Inhalation:	No applicable toxi	city data					
	LD50 Dermal	Rabbit	5,000 mg/kg	-			
2-Propenenitrile, polymer with	Ethenylbenzene						
	LD50 Oral	Rat	1,800 mg/kg	-			
Remarks - Inhalation:	No applicable toxi	city data					
Remarks - Dermal:	No applicable toxi	No applicable toxicity data					
Decanedioic acid, bis(2,2,6,6-t	etramethyl-4-piperic	linyl) ester					
Remarks - Oral:	No applicable toxi	city data					
Remarks - Inhalation:	No applicable toxicity data						
Remarks - Dermal:	No applicable toxicity data						
Titanium dioxide							
Remarks - Oral:	No applicable toxicity data						
		8/17					



PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018

Page 9 of 17 Print Date 10/13/2018

	LC50 Inhalation	Rat - Male	6.82 Mg/l	4 h
	LD50 Dermal	Rabbit	> 5,000 mg/kg	-
Conclusion/Summary	: Mixtu	re.Not fully tested.		

Irritation/Corrosion

Result	Species	Score	Exposure	Observation
Skin -	Rabbit		24 hrs	-
Moderate				
irritant				
Skin - Mild	Human		72 hrs	-
irritant				
Skin - Mild	Human		72 hrs	-
irritant				
: M	lixture.Not fu	lly tested.		
: M	lixture.Not fu	lly tested.		
		5		
: M	lixture.Not fu	lly tested.		
: M	lixture.Not fu	lly tested.		
		5		
OSHA	IARC	NTP		
OSHA	IARC	NTP		
OSHA	2B	NTP		
OSHA		NTP		
OSHA	2B	NTP		
	Moderate irritant Skin - Mild irritant Skin - Mild irritant : M : M : M : M : M	Skin - Rabbit Moderate Irritant Skin - Mild Human irritant Irritant Skin - Mild Human irritant Irritant Skin - Mild Human irritant Irritant Irritant<	Skin - Rabbit Moderate Rabbit irritant Human Skin - Mild Human irritant Skin - Mild Skin - Mild Human irritant Image: Skin - Mild irritant Image: Skin - Mixture.Not fully tested. irritant Image: Mixture.Not fully tested. irritant Image: Skin - Mixture.Not fully tested. irritant Image: Skin - Mixture.Not fully tested. irritant Image: Skin - Mixture.Not fully tested.	Skin - Rabbit 24 hrs Moderate irritant 24 hrs Skin - Mild Human 72 hrs irritant Skin - Mild Human Skin - Mild Human 72 hrs irritant Image: state

<u>PolyOne</u>

PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018 Page 10 of 17 Print Date 10/13/2018

Conclusion/Summary	:	Mixture.Not fully tested.
Specific target organ toxicity (sing Not available.	le exp	osure)
Specific target organ toxicity (rependent) Not available.	eated of	exposure)
Aspiration hazard Not available.		
Information on likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact Inhalation Skin contact Ingestion	::	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Symptoms related to the physical, o	chemi	cal 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 as w	vell 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	:	No known significant effects or critical hazards.
		10/17

ne.

PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018

Page 11 of 17 Print Date 10/13/2018

Carcinogenicity Mutagenicity Teratogenicity **Developmental effects Fertility effects**

No known significant effects or critical hazards. :

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards. : :

No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

:

:

Toxicity

Product/ingredient name	Result	Species	Exposure		
Carbon black					
Remarks - Acute - Fish:	No applicable toxicity data				
	Acute EC50 37.563 Mg/l Fresh	Aquatic invertebrates.	48 h		
	water	Daphnia			
Remarks - Acute - Aquatic	Acute				
invertebrates.:					
Remarks - Acute - Aquatic	No applicable toxicity data				
plants:					
Remarks - Chronic - Fish:	No applicable toxicity data				
Remarks - Chronic -	No applicable toxicity data				
Aquatic invertebrates.:					
Stearic acid					
Remarks - Acute - Fish:	No applicable toxicity data				
Remarks - Acute - Aquatic	No applicable toxicity data				
invertebrates.:					
Remarks - Acute - Aquatic	No applicable toxicity data				
plants:					
Remarks - Chronic - Fish:	No applicable toxicity data				
Remarks - Chronic -	No applicable toxicity data				
Aquatic invertebrates.:					
2-Propenenitrile, polymer with	n Ethenylbenzene				
Remarks - Acute - Fish:	No applicable toxicity data				
Remarks - Acute - Aquatic	No applicable toxicity data				
invertebrates.:					
Remarks - Acute - Aquatic	No applicable toxicity data				
• •	11/17				



PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018 Page 12 of 17 Print Date 10/13/2018

plants:						
Remarks - Chronic - Fish:	No applicable toxicity data					
Remarks - Chronic -	No applicable toxicity data					
Aquatic invertebrates.:						
	etramethyl-4-piperidinyl) ester					
Remarks - Acute - Fish:	No applicable toxicity data					
	Acute EC50 8.6 Mg/l Fresh water	Aquatic invertebrates.	48 h			
		Daphnia				
Remarks - Acute - Aquatic	Acute					
invertebrates.:						
Remarks - Acute - Aquatic	No applicable toxicity data					
plants: Remarks - Chronic - Fish:	No applicable toxicity date					
Remarks - Chronic - Fish:	No applicable toxicity data No applicable toxicity data					
Aquatic invertebrates.:	No applicable toxicity data					
Titanium dioxide						
	Acute LC50 > 1,000 Mg/l Marine	Fish - Fish	96 h			
	water		70 II			
Remarks - Acute - Fish:	Acute					
	Acute LC50 3 Mg/l Fresh water	Aquatic invertebrates.	48 h			
	8	Crustaceans	-			
Remarks - Acute - Aquatic	Acute		•			
invertebrates.:						
	Acute LC50 6.5 Mg/l Fresh water	Aquatic invertebrates.	48 h			
		Daphnia				
Remarks - Acute - Aquatic	Acute					
invertebrates.:						
Remarks - Acute - Aquatic	No applicable toxicity data	no applicable toxicity data				
plants:	NT 1' 11 / ''' 1 /					
Remarks - Chronic - Fish:	No applicable toxicity data					
Remarks - Chronic -	No applicable toxicity data					
Aquatic invertebrates.: PS4 SKI GREY/SA/BDT5510						
Remarks - Acute - Aquatic	Chemicals are not readily available a	as they are bound within the	e nolymer matrix			
invertebrates.:	Chemicals are not readily available a	is they are bound within the	e porymer maurx.			
Conclusion/Summary	: Chemicals are not readil	ly available as they are bou	nd within the			
Concentration, 2 animeter y	polymer matrix.					
	1 2					
Persistence and degradability	<u>v</u>					
~						
Conclusion/Summary		ly available as they are bou	nd within the			
	polymer matrix.					
Conclusion/Summary	: Chemicals are not readil	ly available as they are bou	nd within the			
Conclusion/Summary	. Chemicals are not read					
	12/17					

PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018 Page 13 of 17 Print Date 10/13/2018

polymer matrix.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Stearic acid	8.23	-	high
Decanedioic acid, bis(2,2,6,6-	0.35	-	low
tetramethyl-4-piperidinyl) ester			

Mobility in soil

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

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

Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Not classified as dangerous goods under transport regulations.

P<u>olyOne</u>

PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018

Page 14 of 17 Print Date 10/13/2018

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

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(a) - Proposed test rules: Not listed United States - TSCA 4(f) - Priority risk review: Not listed United States - TSCA 5(a) - Proposed test rules: Not listed United States - TSCA 5(a) - 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: Not listed United States - TSCA 8(a) - Chemical risk rules: 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 - TSCA 8(d) - Health and safety studies: Not listed United States - EPA Clean water act (CWA) section 311 - Hazardous substances: Listed United States - EPA Clean water act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Listed

PolyOne

PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018 Page 15 of 17 Print Date 10/13/2018

Clean Air Act Section 602 Class I	:	Not listed
Substances Clean Air Act Section 602 Class II	:	Not listed
Substances DEA List I Chemicals (Precursor	:	Not listed
Chemicals) DEA List II Chemicals (Essential	:	Not listed
Chemicals)		

US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

SARA 311/312

Classification

Not applicable.

:

Composition/information on ingredients

Name	%	Classification
Carbon black	0.3 - 1	СН
Stearic acid	1 - 3	АН
2-Propenenitrile, polymer with Ethenylbenzene	10 - 25	АН
Decanedioic acid, bis(2,2,6,6- tetramethyl-4-piperidinyl) ester	10 - 25	АН
Titanium dioxide	25 - 50	СН

SARA 313

	Product name	CAS number	%
Form R - Reporting	Rutile, antimony chromium	68186-90-3	1 - 3
requirements	buff		
Supplier notification	Rutile, antimony chromium	68186-90-3	1 - 3
	buff		

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	: None of the components are listed.
New York	: None of the components are listed.
New Jersey	: The following components are listed:

15/17



PS4 SKI GREY/SA/BDT5510

Version Number 1.0	Page 16 of 17
Revision Date 10/10/2018	Print Date 10/13/2018

Pennsylvania	:	Carbon black Silica, amorphous, precipitated and gel Rutile, antimony chromium buff 2-Propenenitrile, polymer with Ethenylbenzene Titanium dioxide The following components are listed: Carbon black
		Silica, amorphous, precipitated and gel
		Rutile, antimony chromium buff
		Titanium dioxide

<u>California Prop. 65</u> 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		
<u>Inventory list</u>		
Australia	:	All components are listed or exempted.
Canada	:	All components are listed or exempted.
China	:	All components are listed or exempted.
Europe inventory	:	All components are listed or exempted.
Japan	:	Not determined.
New Zealand	:	All components are listed or exempted.
Philippines	:	All components are listed or exempted.
Republic of Korea	:	All components are listed or exempted.
Taiwan	:	All components are listed or exempted.
Turkey	:	Not determined.
United States	:	All components are listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	/	0
Flammability		0
Physical hazards		0

PS4 SKI GREY/SA/BDT5510

Version Number 1.0 Revision Date 10/10/2018 Page 17 of 17 Print Date 10/13/2018

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

<u>Illstol y</u>		
Date of printing	:	10/13/2018
Date of issue/Date of revision	:	10/10/2018
Date of previous issue	:	00/00/0000
Version	:	1.0
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 = International Convention for the Prevention of Pollution From
		Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine
		pollution)
		$\hat{U}N = United Nations$
References	:	Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed 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.