

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 06/30/2021 Supersedes: 08/30/1999 Version: 1.0

1.1       identification         Product form       :       Red forn Oxide Particles, 0.3-0.8µm         Chemical name       :       Red forn Oxide Particles, 0.3-0.8µm         Chemical name       :       1309:37:1         Product code       :       07674         Formula       :       Fe203         2.2       Recommended use and restrictions on use       Image: State					
Product form : Substance Trade name : Ref Iron Oxide Particles, 0.3-0.8µm Chemical name : Ref Iron Oxide Particles, 0.3-0.8µm Chemical name : Ref Iron Oxide Particles, 0.3-0.8µm CAS-No. : 1309-37.1 Product code : 07674 Formula : Fe2O3 2. Recommended use and restrictions on use Recommended use con -ww polysciences. 40 Valley Road Warrington, PA 18976 - United States T - 1215 343 0444 - F - 1215 343 0214 Info@polysciences con - ww polysciences. 40 Caussification of the substance or mkture Effection 21 Addition (Category 2A Causes serious eye initiation Causes serious eye initiation 2. GHS Label elements, including procautionary statements HS US labeling Hazard statements (GHS US) E Avoid breating dustfume(ga/mist/wapors/spray. Warah hards, forearms and face thoroughy after handling. Use only outdoors or in a wall-walley after handling. Use only outdoors or in a wall-walley after handling. Use only outdoors or in a wall-walley protection. Hardful finhaled Substances Wara protective glove@protective clothing/eye protection. 1 NEYES: Rine cautions/with water for several minutes. Remove contact lenses, in a fees to do. Contrue rinsing. 1 IN EYES: Rine cautions/with water for several minutes. Remove contact lenses, in a fees to do. Contrue rinsing. 1 IN EYES: Rine cautions/with water for several minutes. Remove contact lenses, in a fees to do. Contrue rinsing. 1 IN EYES: Rine cautions/with water for several minutes. Remove c	ECTION 1: Identification				
Trade name       :       Red from Oxide Particles, 0.3-0.8µm         Chemical name       :       :       1309-37-1         Product ode       :       07674         Formula       :       Fearon       :         2.       Recommended use and restrictions on use       Recommended use and restrictions on use       Image: State St	1. Identification				
Chemical name : :					
CAS.No. : 1309-37-1 Product code : 07674 Fromula : Fe203 2. Recommended use and restrictions on use Recommended use and restrictions A. Recomposition for used and restrictions Recommended to the substance or mixture HSUS Classification Cassification Category 4 A Product delivery provide number ChemTel 1-800-255-3924 Recommended (rink and recomposition) Recomposition (RHS US)		: Red Iron Oxide Particles	s, 0.3-0.8µm		
Product code : 07674 Farmula : Fe2O3 Recommended use and restrictions on use Recommended use : Use as laboratory reagent, Manufacture of substances <b>Supplier</b> Physioelences 400 Valey Read Warmigon, PA 18976 - United States T+10 25043 6444 - F + 1215 543 0214 T+10 25043 644 - F + 1215 543 0214 T+10 25043 644 - F + 1215 543 0214 T+10 25043 F T+10 2505 F T+10		:			
Formula       : Fe203         Recommended use and restrictions on use       Recommended use and restrictions on use         Recommended use and restrictions on use					
2.       Recommended use       : Use as laboratory reagent, Manufacture of substances         3.       Supplier         Supplier       Supplier         Polysciences       400 Valley Road         Warrington, PA 18976 - United States       F12 53 43 0214         Info@polysciences.com - www.polysciences.com					
Recommended use       : Use as laboratory reagent, Manufacture of substances         3. Suppler         Polysciences 400 Valley Road Warmgton, PA 18976 - United States T + 1215 343 6424 - F + 1215 343 0214 info@polysciences.com	Formula	: Fe2O3			
3. Suppler         Suppler         Polysionces         400 Valley Road         Warnington, PN 18976 - United States         T +1 215 343 6484 - F +1 215 343 0214         Info@polysicinces.com - www.polysiciences.com         4.       Emergency telephone number         Emergency telephone number         Classification         Acute toxicity (inhalation) Category 4         Serious eye damageleye irritation Category 2A         Causes serious eye irritation         Acute toxicity (inhalation) Category 4         Serious eye damageleye irritation Category 2A         Causes serious eye irritation         Acute toxicity (inhalation)         Causes serious eye irritation         Hazard pictograms (CHS US)         :       Warning         Hazard statements (CHS US)       :         :       Warning         Hazard statements (CHS US)       :         :       Avoid breathing dust/fume/gas/mist/vapors/spray.         :       War protective glows/protegy protection/face protection.         :       If Inheled: Remove person to fresh air and keep comfortable for breathing.         :       IF IN EYES: Sine acutuolity with water for several minutes. Remove contact lenses, i and easy to do. Continue rinsing.         :       Othe	2. Recommended use and restrictions or	n use			
Supplier         Polysciences         Vol Valley Road         Warnigton, PA 18976 - United States         T + 121 53 43 0214         info@polysciences.com - www.polysciences.com         4.       Emergency telephone number         Emergency number       : 24-hour emergency phone number ChemTel 1-800-255-3824         Section 2: Hazard(s) identification         1.       Classification         Acute toxicity (inhalation) Category 4         Serious eye damage/eye initiation Category 2A         Causes serious eye irritation         Serious eye damage/eye initiation Category 2A         Causes serious eye irritation         Harmful if inhaled         Signal word (GHS US)       : Warning         Harmful if inhaled         Precautionary statements (GHS US)       : Causes serious eye irritation         Harmful if inhaled         Precautionary statements (GHS US)       : Avoid breathing dust/tume/gas/mist/vapors/spray.         Wash hands, forearms and face thoroughly after handing.       Use and wealt-wentling dust/tume/gas/mist/vapors/spray.         Wash hands, forearms and face thoroughly after handing.       Use and voldors or in a well-wentliad area.         Wear protective gloves/protective clothing/eye protection.       If inhaled area.         Wear protective gloves/protective clothing/eye prot	Recommended use	: Use as laboratory reage	ent, Manufacture of sul	bstances	
Polysciences 400 Valley Road Warnington, PA 18976 - United States T+1 215 343 0424 - F + 1215 343 0214 Info@polysciences.com - www.polysciences.com 14. Emergency tolephone number Emergency number : 24-hour emergency phone number ChemTel 1-800-255-3924 ECCTION 2: Hazard(5) identification 14. Classification of the substance or mixture ESCTION 2: Hazard(5) identification 14. Classification of the substance or mixture ESCTION 2: Hazard(5) identification 15. Classification of the substance or mixture ESTION 2: Hazard(5) identification 15. Classification of the substance or mixture ESTION 2: Hazard(5) identification category 4 Serious eye damage/eye irritation Category 7 22. GHS Label elements, including precautionary statements 15. US labeling Hazard pictograms (GHS US) E clauses serious eye irritation Harmful if inhaled 15. Clauses serious eye irritation Harmful if inhaled 16. Clauses serious eye irritation Harmful if inhaled 17. Classification 18. Clauses serious eye irritation Harmful if inhaled 19. Clauses serious eye irritation Harmful if inhaled 19. Clauses serious eye irritation Harmful if inhaled 10. Avoid brearmis and face thoroughly after handing. Wase hands, forearms and have confortable for breathing. If IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, and easy to do. Continue rinsing. 19. Other hazards which do not result in classification Ne additional information available 14. Unknown acute toxicity (GHS US) 15. Other hazards which do not result in classification 16. Substances 17. March Tox: 4 (Inhaled Hatz) 18. Other hazards which do not result in classification 19. Continue rinsing. 19. Classible 10. Continue rinsing. 19. Classible 10. Continue rinsing. 19. Continue rinsing. 19. Classible 10. Continue rinsing. 19. Continue rinsing. 19. Continue rinsi	3. Supplier				
Emergency number       : 24-hour emergency phone number ChemTel 1-800-255-3924         SECTION 2: Hazard(s) identification         2.1. Classification of the substance or mixture         GHS US classification         Acute toxicity (inhalation) Category 4 Serious eye damage/eye irritation Category 2A         Acute toxicity (inhalation) Category 2A         CHS Label elements, including precautionary statements         GHS US labeling         Hazard pictograms (GHS US)         Hazard pictograms (GHS US)         Exact statements (GHS US)         Hazard statements (GHS US)         Hazard statements (GHS US)         Hazard biotensing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Use protective gloves/protective clothing/sey protection. If inhaled: Remove person to fresh air and keep comfortable for breathing. If INP VEYES. Kinse cautiously with water for several minutes. Remove contact lenese, and easy to do. Continue rinsing.         22.       Other hazard swhich do not result in classification         No additional information available       Very protective gloves/protective clothing/sey protection. If inhaled: Remove person to fresh air and keep comfortable for breathing. If INP VEYES. Kinse cautiously with water for several minutes. Remove contact lenese, and easy to do. Continue rinsing.         22.       Other hazard swhich do not result in classification         Na duditional information available       Very protective gloves/protective clothing/sey protect	Polysciences 400 Valley Road Warrington, PA 18976 - United States Γ +1 215 343 6484 - F +1 215 343 0214				
Section 2: Hazard(s) identification         21. Classification of the substance or mixture         SHS US classification         Acute toxicity (inhalation) Category 4         Serious eye damage/eye irritation Category 2A         Classes serious eye irritation         22. GHS Label elements, including precautionary statements         SHS US labeling         Hazard pictograms (GHS US)         Hazard statements (GHS US)         Hazard statements (GHS US)         Encautionary statements (GHS US)         Precautionary statements (GHS US)         Wash hands, forearms and face thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection. If inhaled: Remove person to fresh air and keep comfortable for breathing. If IN EYES: Rines cautiously with water for several minutes. Remove contact lenses, and easy to do. Continue rinsing.         23. Other hazards which do not result in classification No additional information available         24. Unknown acute toxicity (GHS US) Not applicable         SectorION 3: Composition/Information on ingredients         51. Substances         Mane       Product identifier       % GHS US classific Acute Tox, 4 (inhelat H332	4. Emergency telephone number				
2.1. Classification of the substance or mixture         GHS US classification         Acute toxicity (inhalation) Category 4       Harmful if inhaled         Serious eye damage/eye irritation Category 2A       Causes serious eye irritation         2.2. GHS Label elements, including precautionary statements         GHS US labeling         Hazard pictograms (GHS US)       : Warning         Hazard statements (GHS US)       : Causes serious eye irritation         Hazard statements (GHS US)       : Avoid breathing dustfume/gas/mist/vapors/spray.         Wash hands, forearms and face thoroughly after handling.       Use only outdoors or in a well-ventilated area.         Wear protective gloves/protective clothing/eye protection/face protection.       If inhaled: Remove person to fresh air and keep comfortable for breathing.         IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, i and easy to do. Continue rinsing.	Emergency number	: 24-hour emergency pho	ne number ChemTel	1-800-255-3924	
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Acute toxicity (inhalation) Category 4 Serious eye damage/eye irritation Category 2A       Harmful if inhaled Causes serious eye irritation         .2. GHS Label elements, including precautionary statements         SHS US labeling         Hazard pictograms (GHS US)       :         Signal word (GHS US)       :         Hazard statements (GHS US)       :         Yercautionary statements (GHS US)       :         Precautionary statements (GHS US)       :         Year protective gloves/protective clothing/eye protection/face protection. Harmful if inhaled: Remove person to fresh air and keep comfortable for breathing. Use only outdoors or in a well-ventilated area.         Vear protective gloves/protective clothing/eye protection/face protection. H inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, and easy to do. Continue rinsing.         .3. Other hazards which do not result in classification los additional information available         .4. Unknown acute toxicity (GHS US) lot applicable         ECTION 3: Composition/Information on ingredients         .1. Substances         Name       Product identifier       % GHS US classific GHS US classific Main consulturent)	HS US classification				
Serious eye damage/eye irritation Category 2A       Causes serious eye irritation         Hazard pictograms (GHS US)         Signal word (GHS US)         Hazard statements (GHS US)         Executionary statements (GHS US)         Precautionary statements (GHS US)         Causes serious eye irritation         Harmful if inhaled         Precautionary statements (GHS US)         Causes serious eye irritation         Harmful if inhaled         Vear protective clothing/eye protection/face protection.         If inhaled: Remove person to fresh air and keep comfortable for breathing.         Use only outdoors or in a well-ventilated area.         Wear protective clothing/eye protection/face protection.         If inhaled: Remove person to fresh air and keep comfortable for breathing.         IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, and easy to do. Continue rinsing.         IA Unknown acute toxicity (GHS US)         kot applicable         ECETION 3: Composition/Information on ingredients         IA Substances         Mane       (cASHo.) 1309-37-1         Stop       Stop		Harmful if inhaled	1		
BHS US labeling         Hazard pictograms (GHS US)         Signal word (GHS US)         Hazard statements (GHS US)         Hazard statements (GHS US)         Precautionary statements (GHS US)         Signal word (GHS US)         Precautionary statements (GHS US)         Signal word (GHS US)         Signal word (GHS US)         Signal word (GHS US)         Precautionary statements (GHS US)         Signal word word (GHS US)         Signal word word word word word word word word					
Hazard pictograms (GHS US)       :       Warning         Signal word (GHS US)       :       Warning         Hazard statements (GHS US)       :       Causes serious eye irritation Harmful fi inhaled         Precautionary statements (GHS US)       :       Causes serious eye irritation Harmful fi inhaled         Precautionary statements (GHS US)       :       Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, and easy to do. Continue rinsing.         3.       Other hazards which do not result in classification         to additional information available	2. GHS Label elements, including precau	tionary statements			
Signal word (GHS US)       : Warning         Hazard statements (GHS US)       : Causes serious eye irritation Harmful if inhaled         Precautionary statements (GHS US)       : Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, i and easy to do. Continue rinsing.         :3.       Other hazards which do not result in classification ko additional information available         :4.       Unknown acute toxicity (GHS US) kot applicable         SECTION 3: Composition/Information on ingredients         :1.       Substances         Mame       Product identifier       %       GHS US classific Acute Tox. 4 (Inhalat Main constituent)	HS US labeling				
Hazard statements (GHS US)       : Causes serious eye irritation Harmful if inhaled         Precautionary statements (GHS US)       : Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, i and easy to do. Continue rinsing.         2.3.       Other hazards which do not result in classification         No additional information available         2.4.       Unknown acute toxicity (GHS US)         Not applicable         SECTION 3: Composition/Information on ingredients         3.1.       Substances         Mame       Product identifier       %       GHS US classific Acute Tox. 4 (Inhalat H332	lazard pictograms (GHS US)				
Hazard statements (GHS US) Precautionary statements (GHS US) Precautionary statements (GHS US) C Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, i and easy to do. Continue rinsing. C Avoid tional information available C Avoid tional information available C Avoid tional information available C Avoid applicable C CTION 3: Composition/Information on ingredients C Avoid Particles, 0.3-0.8µm Red Iron Oxide Particles, 0.3-0.8µm (CAS-No.) 1309-37-1 ≤ 100 Acute Tox. 4 (Inhalat H32	Signal word (GHS US)	: Warning			
Wash hands, forearms and face thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. If inhaled: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, i and easy to do. Continue rinsing.         .3.       Other hazards which do not result in classification         lo additional information available         .4.       Unknown acute toxicity (GHS US)         lot applicable         SECTION 3: Composition/Information on ingredients         .1.       Substances         Name       Product identifier       %       GHS US classific Acute Tox. 4 (Inhalat H332		: Causes serious eye irrita	ation		
No additional information available 2.4. Unknown acute toxicity (GHS US) Not applicable SECTION 3: Composition/Information on ingredients 3.1. Substances Name Product identifier % GHS US classific Red Iron Oxide Particles, 0.3-0.8µm (Main constituent) (CAS-No.) 1309-37-1 ≤ 100 Acute Tox. 4 (Inhalat H332	Precautionary statements (GHS US)	Wash hands, forearms a Use only outdoors or in Wear protective gloves/ If inhaled: Remove perso IF IN EYES: Rinse cauti	and face thoroughly af a well-ventilated area. protective clothing/eye on to fresh air and kee ously with water for se	ter handling. protection/face pr p comfortable for	breathing.
No additional information available 2.4. Unknown acute toxicity (GHS US) Not applicable  SECTION 3: Composition/Information on ingredients 3.1. Substances  Name  Red Iron Oxide Particles, 0.3-0.8µm (Main constituent)  (CAS-No.) 1309-37-1 ≤ 100  Acute Tox. 4 (Inhalat H332	3. Other hazards which do not result in c	lassification			
lot applicable ECTION 3: Composition/Information on ingredients .1. Substances Name Product identifier % GHS US classific Red Iron Oxide Particles, 0.3-0.8μm (Main constituent) (CAS-No.) 1309-37-1 ≤ 100 Acute Tox. 4 (Inhalat H332					
Section 3: Composition/Information on ingredients         Substances         Name       Product identifier       %       GHS US classific         Red Iron Oxide Particles, 0.3-0.8µm (Main constituent)       (CAS-No.) 1309-37-1       ≤ 100       Acute Tox. 4 (Inhalat H332	4. Unknown acute toxicity (GHS US)				
Substances         Name       Product identifier       %       GHS US classific         Red Iron Oxide Particles, 0.3-0.8µm (Main constituent)       (CAS-No.) 1309-37-1       ≤ 100       Acute Tox. 4 (Inhalat H332					
Substances         Name       Product identifier       %       GHS US classific         Red Iron Oxide Particles, 0.3-0.8µm (Main constituent)       (CAS-No.) 1309-37-1       ≤ 100       Acute Tox. 4 (Inhalat H332	ECTION 3: Composition/Information	on ingredients			
NameProduct identifier%GHS US classificRed Iron Oxide Particles, 0.3-0.8µm (Main constituent)(CAS-No.) 1309-37-1≤ 100Acute Tox. 4 (Inhalat H332					
Red Iron Oxide Particles, 0.3-0.8µm(CAS-No.) 1309-37-1≤ 100Acute Tox. 4 (Inhalat H332			Product identifier	0/	GHS US close if is sticn
	Red Iron Oxide Particles, 0.3-0.8µm				Acute Tox. 4 (Inhalation), H332
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Full text	of hazard classes and H-statements : see	section 16
3.2.	Mixtures	
Not app	licable	
SECTI	ON 4: First-aid measures	
4.1.	Description of first aid measures	
First-ai	d measures general	: Call a poison center/doctor/physician if you feel unwell.
First-ai	d measures after inhalation	<ul> <li>Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.</li> </ul>
First-ai	d measures after skin contact	: Wash skin with plenty of water.
First-ai	d measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-ai	d measures after ingestion	: Call a poison center/doctor/physician if you feel unwell.
4.2.	Most important symptoms and effects	s (acute and delayed)
Sympto	oms/effects after eye contact	: Eye irritation.
4.3.	Immediate medical attention and spec	cial treatment, if necessary
Treat sy	mptomatically.	
SECTI	ON 5: Fire-fighting measures	
5.1.	Suitable (and unsuitable) extinguishin	ng media
Suitabl	e extinguishing media	: Water spray. Dry powder. Foam.
5.2.	Specific hazards arising from the che	
	lous decomposition products in case of	: Toxic fumes may be released.
fire		
5.3.	Special protective equipment and pre	cautions for fire-fighters
Protec	tion during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing
		apparatus. Complete protective elething
		apparatus. Complete protective clothing.
SECTI	ON 6: Accidental release measu	
<b>SECTI</b> 6.1.	ON 6: Accidental release measu Personal precautions, protective equi	ires
6.1.	Personal precautions, protective equi	ires
6.1. 6.1.1.		ires
6.1. 6.1.1.	Personal precautions, protective equi For non-emergency personnel ency procedures	Ires pment and emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with
6.1. 6.1.1. Emerg 6.1.2.	Personal precautions, protective equi For non-emergency personnel	Ires pment and emergency procedures : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with
6.1. 6.1.1. Emerg 6.1.2.	Personal precautions, protective equi For non-emergency personnel ency procedures For emergency responders	ures         pment and emergency procedures         : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         : Do not attempt to take action without suitable protective equipment. For further information
6.1. 6.1.1. Emerg 6.1.2. Protect	Personal precautions, protective equi For non-emergency personnel ency procedures For emergency responders tive equipment	ures         pment and emergency procedures         : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         : Do not attempt to take action without suitable protective equipment. For further information
6.1. 6.1.1. Emerg 6.1.2. Protect 6.2. Avoid re	Personal precautions, protective equi For non-emergency personnel ency procedures For emergency responders tive equipment Environmental precautions lease to the environment.	ITES         pment and emergency procedures         : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
<ul> <li>6.1.</li> <li>6.1.1.</li> <li>Emerg</li> <li>6.1.2.</li> <li>Protect</li> <li>6.2.</li> <li>Avoid res</li> <li>6.3.</li> </ul>	Personal precautions, protective equi For non-emergency personnel ency procedures For emergency responders tive equipment Environmental precautions lease to the environment. Methods and material for containment	ITES         pment and emergency procedures         : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         t and cleaning up
6.1. 6.1.1. Emerg 6.1.2. Protect 6.2. Avoid re 6.3. Method	Personal precautions, protective equi For non-emergency personnel ency procedures For emergency responders tive equipment Environmental precautions lease to the environment.	ITES         pment and emergency procedures         : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.1. 6.1.1. Emerg 6.1.2. Protec: 6.2. Avoid re 6.3. Method Other i	Personal precautions, protective equi For non-emergency personnel ency procedures For emergency responders tive equipment Environmental precautions lease to the environment. Methods and material for containment ds for cleaning up nformation	ITes         pment and emergency procedures         : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         t and cleaning up         : Mechanically recover the product.
6.1. 6.1.1. Emerg 6.1.2. Protec: 6.2. Avoid re 6.3. Method Other i 6.4.	Personal precautions, protective equi For non-emergency personnel ency procedures For emergency responders tive equipment Environmental precautions lease to the environment. Methods and material for containment ds for cleaning up nformation Reference to other sections	ITes         pment and emergency procedures         : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         t and cleaning up         : Mechanically recover the product.
6.1. 6.1.1. Emerg 6.1.2. Protect 6.2. Avoid re 6.3. Method Other i 6.4. For furth	Personal precautions, protective equi For non-emergency personnel ency procedures For emergency responders tive equipment Environmental precautions lease to the environment. Methods and material for containment ds for cleaning up nformation Reference to other sections per information refer to section 13.	ITes         pment and emergency procedures         : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         t and cleaning up         : Mechanically recover the product.
<ul> <li>6.1.</li> <li>6.1.1.</li> <li>Emerg</li> <li>6.1.2.</li> <li>Protect</li> <li>6.2.</li> <li>Avoid ret</li> <li>6.3.</li> <li>Method Other it</li> <li>6.4.</li> <li>For furth</li> <li>SECTION</li> </ul>	Personal precautions, protective equi For non-emergency personnel ency procedures For emergency responders tive equipment Environmental precautions lease to the environment. Methods and material for containment ds for cleaning up nformation Reference to other sections mer information refer to section 13. ON 7: Handling and storage	ITes         pment and emergency procedures         : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         t and cleaning up         : Mechanically recover the product.
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6.1. 6.1.1. Emerg 6.1.2. Protec: 6.2. Avoid re 6.3. Method Other i 6.4. For furth SECT 7.1.	Personal precautions, protective equi For non-emergency personnel ency procedures For emergency responders tive equipment Environmental precautions lease to the environment. Methods and material for containment ds for cleaning up nformation Reference to other sections mer information refer to section 13. ON 7: Handling and storage	ITes         pment and emergency procedures         : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.         : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         t and cleaning up         : Mechanically recover the product.
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Store in a well-ventilated place. Keep cool.

		 	 		_
Storage	conditions		: 8	Store at room temp	).

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8.1. Control parameters		
Red Iron Oxide Particles, 0.3-0.8µm (1	309-37-1)	
No additional information available		
3.2. Appropriate engineering control	bls	
Appropriate engineering controls	: Ensure good ventilation of the work station.	
Environmental exposure controls	: Avoid release to the environment.	
3.3. Individual protection measures	/Personal protective equipment	
Hand protection:		
Protective gloves		
Eye protection:		

Safety glasses

Skin and body protection:

Wear suitable protective clothing

#### **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment. [In case of inadequate ventilation] wear respiratory protection.

#### Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and ch	emical properties	
Physical state	: Solid	
Appearance	: dark brown powder.	
Color	: No data available	
Odor	: No data available	
Odor threshold	: No data available	
pH	: No data available	
Melting point	: no data	
Freezing point	: Not applicable	
Boiling point	: no data	
Flash point	: no data	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: Non flammable.	
Vapor pressure	: no data	
Relative vapor density at 20°C	: no data	
Relative density	: No data available	
Solubility	: No data available	
Partition coefficient n-octanol/water (Log Pow)	: No data available	
Auto-ignition temperature	: Not applicable	
Decomposition temperature	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosion limits	: Not applicable	

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Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and road	otivity
SECTION 10: Stability and read	clivity
10.1. Reactivity	
The product is non-reactive under norma	al conditions of use, storage and transport.
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous read	ctions
No dangerous reactions known under no	rmal conditions of use.
10.4. Conditions to avoid	
None under recommended storage and h	nandling conditions (see section 7)
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition pr	roducts
Under normal conditions of storage and u	use, hazardous decomposition products should not be produced.
<b>SECTION 11: Toxicological inf</b>	ormation
11.1. Information on toxicological	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Harmful if inhaled.
ATE US (gases)	4500 ppmV/4h
ATE US (vapors) ATE US (dust, mist)	11 mg/l/4h 1.5 mg/l/4h
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation. : Not classified
Respiratory or skin sensitization Germ cell mutagenicity	: Not classified
• •	: Not classified
Carcinogenicity	
Red Iron Oxide Particles, 0.3-0.8µm	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
<b>-</b> .	: Not classified
STOT-repeated exposure	
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after eye contact	: Eye irritation.
-	
SECTION 12: Ecological inform	nation
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2. Persistence and degradabilit	V
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	

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#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

SECTION 42. Dispession	
SECTION 13: Disposal consident 13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport inform	nation
Department of Transportation (DOT)	
In accordance with DOT	
Not applicable	
Transportation of Dangerous Goods	3
Not applicable	
Transport by sea	
Not applicable	
Air transport	
Not applicable	
SECTION 15: Regulatory infor	mation
15.1. US Federal regulations	
Red Iron Oxide Particles, 0.3-0.8µn	
Listed on the United States TSCA (To	oxic Substances Control Act) inventory
15.2. International regulations	
CANADA	
Red Iron Oxide Particles, 0.3-0.8µn	n (1309-37-1)
Listed on the Canadian DSL (Domes	
EU-Regulations	
National regulations	
No additional information available	
15.3. US State regulations	
Pad Iran Ovida Partialas -0.0.0.	- (4200.27.4)
Red Iron Oxide Particles, 0.3-0.8µn	

# State or local regulations U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

### **SECTION 16: Other information**

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Hazard Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

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