

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 09/19/2022

SECTION 1: Identification	
1.1. Identification	
Product form	: Mixture
Product name	: WIEGERT'S IRON HEMATOXYLIN SOL B
Product code	: 24205B
1.2. Recommended use and restriction	
Recommended use	: Use as laboratory reagent, Manufacture of substances
1.3. Supplier	
Supplier Polysciences 400 Valley Road Warrington, PA 18976 - United States T +1 215 343 6484 - F +1 215 343 0214 info@polysciences.com - www.polysciences	com
1.4. Emergency telephone number	
Emergency number	: 24-hour emergency phone number ChemTel 1-800-255-3924
CECTION 2. Honord(a) identification	
SECTION 2: Hazard(s) identificatio	
2.1. Classification of the substance or	mixture
GHS US classification	
Skin corrosion/irritation Category 1A	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category	1 Causes serious eye damage
2.2. GHS Label elements, including pr	recautionary statements
GHS US labeling	
Hazard pictograms (GHS US)	
Signal word (GHS US)	: Danger
Signal word (GHS US) Hazard statements (GHS US)	<ul> <li>Danger</li> <li>Causes severe skin burns and eye damage Causes serious eye damage</li> </ul>
	: Causes severe skin burns and eye damage
Hazard statements (GHS US) Precautionary statements (GHS US)	<ul> <li>Causes severe skin burns and eye damage</li> <li>Causes serious eye damage</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray.</li> <li>Wash hands, forearms and face thoroughly after handling.</li> <li>Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>If swallowed: rinse mouth. Do NOT induce vomiting.</li> <li>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</li> <li>If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> </ul>
Hazard statements (GHS US) Precautionary statements (GHS US) 2.3. Other hazards which do not result	<ul> <li>Causes severe skin burns and eye damage</li> <li>Causes serious eye damage</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray.</li> <li>Wash hands, forearms and face thoroughly after handling.</li> <li>Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>If swallowed: rinse mouth. Do NOT induce vomiting.</li> <li>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</li> <li>If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> </ul>
Hazard statements (GHS US) Precautionary statements (GHS US) 2.3. Other hazards which do not result No additional information available	<ul> <li>Causes severe skin burns and eye damage Causes serious eye damage</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> </ul>
<ul> <li>Hazard statements (GHS US)</li> <li>Precautionary statements (GHS US)</li> <li>2.3. Other hazards which do not result No additional information available</li> <li>2.4. Unknown acute toxicity (GHS US)</li> </ul>	<ul> <li>Causes severe skin burns and eye damage Causes serious eye damage</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> </ul>
Hazard statements (GHS US) Precautionary statements (GHS US) 2.3. Other hazards which do not result No additional information available	<ul> <li>Causes severe skin burns and eye damage Causes serious eye damage</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> </ul>
<ul> <li>Hazard statements (GHS US)</li> <li>Precautionary statements (GHS US)</li> <li>2.3. Other hazards which do not result No additional information available</li> <li>2.4. Unknown acute toxicity (GHS US)</li> </ul>	<ul> <li>Causes severe skin burns and eye damage Causes serious eye damage</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> </ul>
<ul> <li>Hazard statements (GHS US)</li> <li>Precautionary statements (GHS US)</li> <li>2.3. Other hazards which do not result No additional information available</li> <li>2.4. Unknown acute toxicity (GHS US) Not applicable</li> </ul>	<ul> <li>Causes severe skin burns and eye damage Causes serious eye damage</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> </ul>
Hazard statements (GHS US)         Precautionary statements (GHS US)         2.3. Other hazards which do not result         No additional information available         2.4. Unknown acute toxicity (GHS US)         Not applicable         SECTION 3: Composition/Information	<ul> <li>Causes severe skin burns and eye damage Causes serious eye damage</li> <li>Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands, forearms and face thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing.</li> </ul>

#### 3.2. **Mixtures**

Name	Product identifier	%	GHS US classification
Hydrogen Chloride	(CAS-No.) 7647-01-0	0 – 5	Acute Tox. 3 (Inhalation), H331 Skin Corr. 1A. H314

Safety Data Sheet

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#### Full text of hazard classes and H-statements : see section 16

1.       Description of first aid measures         First-aid measures general       2       Call a physicinn immediately.         First-aid measures after inhalison       2       Remove person to fresh air and keep comfortable for breathing.       Call a physicinn immediately.         First-aid measures after eye contact       2       Rines akin with waterfahover. Remove Take off immediately all contaminated clothing. Call a physician immediately.         First-aid measures after eye contact       2       Rines measures after ingestion       2         2.       Most important symptomasi       Continue mining Call a physician immediately.         Symptoms/effects after askin contact       2       Burns.         3.       Immediate medical atterion and special treatment, if necessary         Symptoms/effects after askin contact       2       Water spray. Dry powder. Feam. Carbon dioxide.         3.       Immediate medical atterion and special treatment, if necessary         Terrol St. First-fighting measures       Immediate medical atterion and special treatment.         4.       Suitable (and unsuitable) extinguishing media       2         Suitable (and unsuitable) extinguishing media       2       Vater pray. Dry powder. Feam. Carbon dioxide.         3.       Suitable (and unsuitable) extinguishing media       2       Vater pray. Dry powder. Feam. Carbon dioxide.         5. <t< th=""><th>Full text of hazard classes and H-statements : s</th><th></th></t<>	Full text of hazard classes and H-statements : s	
Fiel-aid measures general       : Call a physician immediately:         Fiel-aid measures after inhalition       : Rines akin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.         Fiel-aid measures after skin contact       : Rines cautods with water for several minutes. Remove contact lenses, if present and easy to do. Contant immediately.         Fiel-aid measures after ingestion       : Rines moutb. Do not induce vonting. Call a physician immediately.         Symptoms/effects after singestion       : Burns.         Symptoms/effects after singestion       : Serious damage to eyes.         Symptoms/effects after several material.       : Rines moutb. Do not induce vonting. Call a physician immediately.         Symptoms/effects after several material.       : Serious damage to eyes.         Symptoms/effects after several material.       : Serious damage to eyes.         Symptoms/effects after several material.       : Serious damage to eyes.         Symptoms/effects after ingestion       : Serious damage to eyes.         Symptoms/effects after ingestion in desceral.       : Xoth funces may be released.         Symptoms/effects after ingestion in case of : Tox for fire fighters       : Tox for the fighters         Symptoms/effects after ingestion in cost of : Serie fighters       : Ventilate splilage area. Avoid contact with skin and eyes. Do not breather death without suitable protective equipment. Self-contained meatring.         Serie Fore en	SECTION 4: First-aid measures	
First-aid measures after inhalation <ul> <li>Remove person to fresh air and keep confrotable for breating.</li> <li>First-aid measures after skin contact</li> <li>Rines akin with water/shower. Remove/Take off immediately.</li> </ul> First-aid measures after ope contact <ul> <li>Rines caluously with water/shower. Remove/Take off immediately.</li> <li>Continue missing. Call a physician immediately.</li> </ul> First-aid measures after ope contact <ul> <li>Rine caluously with water/shower. Remove/Take off immediately.</li> <li>Continue missing. Call a physician immediately.</li> </ul> 2.       Most Important symphome off Cectac and delayed)         Symphoms/effects after skin contact <ul> <li>Burns.</li> <li>Symphoms/effects after ope contact</li> <li>Burns.</li> </ul> 3.       Immediate medical attention and special treatment, if nocessary read symphomalically.         Cortol of the symphomalically important symphome i	4.1. Description of first aid measures	
First-aid measures after skin contact <ul> <li>Ruse scin with water/shower. Renove Take off immediately off contaminated clothing. Call a physician immediately.</li> </ul> First-aid measures after eye contact <ul> <li>Ruse cauliously with water for several minutes. Renove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.</li> </ul> Simplement effects after eye contact <ul> <li>Ruse cauliously with water for several minutes. Renove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.</li> </ul> Symptomes/effects after eye contact <ul> <li>Serious damage to eyes.</li> <li>Symptomal/effects after eye contact</li> <li>Serious damage to eyes.</li> </ul> Symptomal/effects after eye contact <ul> <li>Serious damage to eyes.</li> <li>Symptomal/cally.</li> </ul> Statbate exinguishing media <ul> <li>Water spray. Dry powder. Foam. Carbon dioxide.</li> <li>Specific hazards arising from the chemical</li> </ul> Reazrous decomposition products in case of roxic fures may be released.           Reference outions for fire-fightors         Protection during firefighting measures           Specific hazards arising to an tatempt to take action without suitable protective equipment. Self-contained breathing apaparatus. Complete protective equipment. Self-contained breathing	First-aid measures general	: Call a physician immediately.
Physician immediately.	First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
do. Continue rinsing. Call a physician immediately. First-aid measures after ingestion : Rinse mouth. Do not induce vomiling. Call a physician immediately. 2. Most Important symptomes and effects (acute and dolayed) Symptomes/effects after six in contact : Burns. Symptomes/effects after six in contact : Burns. 3. Immediate medical attention and special treatment, if necessary reat symptomatical iteration and special treatment, if necessary 3. Suitable (ned unsuitable) extinguishing media Suitable extinguishing media : Water spray. Dry powder, Foam. Carbon dioxide. 3. Special protective equipment and processitons for fire-fighters Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective equipment and emergency procedures 1. For non-emergency personnel Emergency procedures : Ventilate splilage area. Avoid contact with skin and eyes. Do not breathe dust/turne/gas/mist/vapors/spray. 3. Methods and material for containment and cleaning up Methods for cleaning up : Take up liquid splil into absorbent material. 3. Methods and material for containment and cleani	First-aid measures after skin contact	, , , , , , , , , , , , , , , , , , , ,
2. Most important symptoms and effects (acute and delayed)         Symptoms/effects after sy contract       : Burns.         Symptoms/effects after sy contract       : Serious damage to eyes.         Symptoms/effects after sy contract       : Serious damage to eyes.         Symptoms/effects after sy contract       : Serious damage to eyes.         Symptoms/effects after symptoms/effects after ingestion       : Burns.         3. Immediate medical attention and special treatment, if necessary treat symptoms/effects after symptoms/effects         2. Special protective equipment and precautions for fire-fighters         Protection during firefighting       : Don tatempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.         ECTION 5: Accidental release maasures       .         .1. Personal precautions, protective equipment and emergency procedures         .1. Por non-emergency personnel       .         Emergency procedures       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.         .2. Environmental procautions       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         .3. Methods and material for containment and cleaning up Methods for deaning up       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/per	First-aid measures after eye contact	
Symptoms/effects after skin contact       :       Burns.         Symptoms/effects after syecontact       :       Serious damage to eyes.         Symptoms/effects after syecontact       :       Serious damage to eyes.         Symptoms/effects after eye contact       :       Surtable         3.       Immediate medical attention and special treatment, if necessary         reat symptomatically.         ECETION 5: Fire-fighting measures         3.       Suitable extinguishing media         :       Water spray. Dry powder. Foam. Carbon dioxide.         2.       Specific hazards arising from the chemical         Hazardous decomposition products in case of       :       Toxic fumes may be released.         fire       :       Do not attemp to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective equipment. Self-contained treatment dust/fume/gas/mist/vapors/spray.         1.       For non-mergency presonders         Every responders       : Ventiate splilage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.	First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.
Symptoms/effects after eye contact       :       Serious damage to eyes.         Symptoms/effects after ingestion       :       Burns.         .3.       Immodiate modical attention and special treatment, if necessary         reat symptomatically.         Section 5: Fire-fighting measures         .4.       Suitable (and unsuitable) extinguishing media         Suitable (and unsuitable) extinguishing media         .3.       Suitable (and unsuitable) extinguishing media         .3.       Suitable (and unsuitable) extinguishing media         .3.       Suitable extinguishing media         .3.       Special protective equipment and precautions for fire-fighters         Protection during firefighting       :       Do not attempt to take action without suitable protective equipment. Self-contained breathing aparatus. Complete protective clouting.         .4.       Personal precautions, protective equipment and emergency procedures         .1.1.       For non-emergency responders         Protective equipment       :       Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         .2.       Environmental procautions       :       Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         .2.       Environ	4.2. Most important symptoms and effe	ects (acute and delayed)
Symptoms/effects after ingestion         : Burns.           3.         Immediate medical attention and special treatment, if necessary reat symptomatically.           Sector A: Fire-fighting measures         Suitable (and unsuitable) extinguishing media           Suitable extinguishing media         : Water spray. Dry powder. Foam. Carbon dioxide.           2.         Specific hazards arising from the chemical Hazardous decomposition products in case of the scalar protective equipment and precautions for fire-fighters           Protection during firefighting         : Do not atternpt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.           EECTION 6: Accidental release on measures	Symptoms/effects after skin contact	: Burns.
Symptoms/effects after ingestion : Burns.  Symptoms/effects after ingestion : Burns.  Inmodicate medical attention and special treatment, if necessary reat symptomatically.  ECTION 5: Fire-fighting measures  Suitable (and unsuitable) extinguishing media Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.  Specific hazards arising from the chemical Hazardous decomposition products in case of : Toxic funes may be released.  Tree  Specific hazards arising from the chemical Hazardous decomposition products in case of : Toxic funes may be released.  Tree  Specific hazards arising from the chemical Hazardous decomposition products in case of : Toxic funes may be released.  Tree  Specific hazards arising from the chemical Hazardous decomposition products in case of : Toxic funes may be released.  Tree  Specific hazards arising the protective equipment and procautions for fire-fightors  Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing aparatus. Complete protective clothing.  EECTION 6: Accidental release measures	Symptoms/effects after eye contact	: Serious damage to eyes.
Preat symptomatically.         SECTION 5: Fire-fighting measures         4. Suitable (and unsuitable) extinguishing media         Suitable (and unsuitable) extinguishing media         Suitable extinguishing media       : Water spray. Dry powder. Foam. Carbon dioxide.         2. Specific hazards arising from the chemical         Hazardous decomposition products in case of intercent interc	Symptoms/effects after ingestion	
Preat symptomatically.         SECTION 5: Fire-fighting measures         4. Suitable (and unsuitable) extinguishing media         Suitable (and unsuitable) extinguishing media         Suitable extinguishing media       : Water spray. Dry powder. Foam. Carbon dioxide.         2. Specific hazards arising from the chemical         Hazardous decomposition products in case of intercent interc	4.3. Immediate medical attention and s	special treatment if necessary
Section 5: Fire-fighting measures         4.1       Suitable (and unsuitable) extinguishing media         Suitable extinguishing media       : Water spray. Dry powder: Feam. Carbon dioxide.         2.2       Specific hazards arising from the chemical         Hazardous decomposition products in case of interfighters       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.         Section during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.         Section during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.         Section 4: Concentration protective equipment and emergency procedures       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.         11. For emergency responders       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.         12. For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         13. Methods and material for containment and cleaning up       : Take up liquid spill into absorbent material.         Other information       : Dispose of materials or solid residues at an authorized site.         4. Reference to ot	Treat symptomatically.	
Autable (and unsuitable) extinguishing media       : Water spray. Dry powder. Foam. Carbon dioxide.         Suitable extinguishing media       : Water spray. Dry powder. Foam. Carbon dioxide.         Specific hazards arising from the chemical         Hazardous decomposition products in case of ir Croxic fumes may be released.         Special protective equipment and processitions for fire-fighters         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing appratus. Complete protective clothing.         SECTION 5: Accidental release measures       .         A.1       Personal proceutions, protective equipment and emergency procedures         A.1.       For non-emergency personnel         Emergency procedures       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.         A.2.       For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         2.3.       Methods and material for containment and cleaning up         Methods for cleaning up       : Take up liquid spill into absorbent material.         Other information       : Dispose of materials or solid residues at an authorized site.         Sector V: FHandling and Storage       : Ensure good ventiliation of the work station. Avoid conta	, , , , , , , , , , , , , , , , , , ,	
Suitable extinguishing media       : Water spray. Dry powder. Foam. Carbon dioxide.         2.       Specific hazards arising from the chemical         Hazardous decomposition products in case of       : Toxic fumes may be released.         3.       Special protective equipment and precautions for fire-fighters         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.         SECTION 6: Accidental release measures		
2. Specific hazards arising from the chemical         Hazardous decomposition products in case of free fighters         Protection during firefighting for the chemical sparatus. Complete protective equipment. Self-contained breathing apparatus. Complete protective clothing.         SECTION 6: Accidental release measures         Personal proceduros, protective equipment and emergency procedures         1.1. For non-emergency personnel         Emergency procedures       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.         1.2. For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         2.2. Environmental precautions       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.         3.3. Methods and material for containment and cleaning up       Methods for cleaning up         Wethods for cleaning up       : Take up liquid spill into absorbent material.         Other information       : Dispose of materials or solid residues at an authorized site.         4.4. Reference to other sections       : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.         Precautions for safe handling       : Ensure good ventilation of the work station. Avoid contact with skin and eyes.		
Hazardou decomposition products in case of fire       : Toxic fumes may be released.         3.       Special protective equipment and precautions for fire-fighters         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.         ECETION 6: Accidental release measures	5 5	
fire		
Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.         EECTION 6: Accidental release measures         .1.       Personal precautions, protective equipment and emergency procedures         .1.1.       For non-emergency personnel         Emergency procedures       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dustfume/gas/mist/vapors/spray.         .1.2.       For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         .2.       Environmental precautions         .3.       Methods and material for containment and cleaning up         Methods for cleaning up       : Take up liquid spill into absorbent material.         .4.       Reference to other section 13.         EECTION 7: Handling and storage       :         .4.       Reference to add storage         .4.       Precautions for safe handling         Precautions for safe handling       :         Precautions for safe bandling       : <t< td=""><td>Hazardous decomposition products in case of fire</td><td>f : Toxic fumes may be released.</td></t<>	Hazardous decomposition products in case of fire	f : Toxic fumes may be released.
apparatus. Complete protective clothing.         SECTION 6: Accidental release measures         1.       Personal precautions, protective equipment and emergency procedures         1.1.       For non-emergency personnel         Emergency procedures       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.         1.2.       For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         2.       Environmental precautions         woid release to the environment.       .         3.       Methods and material for containment and cleaning up         Methods for cleaning up       : Take up liquid spill into absorbent material.         Cher information       : Dispose of materials or solid residues at an authorized site.         4.       Reference to other sections or further information refer to section 13.         SECTION 7: Handling and storage       : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/s/spray. Wear personal protective equipment.         Hygiene measures       : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.         2.       Conditions for safe storage, including any incompatibilities	5.3. Special protective equipment and	precautions for fire-fighters
A. Personal precautions, protective equipment and emergency procedures         A.1. For non-emergency personnel         Emergency procedures       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.         A.2. For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         a.2. Environmental precautions       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         a.3. Methods and material for containment and cleaning up       : Take up liquid spill into absorbent material.         other information       : Dispose of materials or solid residues at an authorized site.         c.4. Reference to other sections       : Dispose of materials or solid residues at an authorized site.         c.1. Precautions for safe handling       : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.         Hygiene measures       : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.         c.2. Conditions for safe storage, including any incompatibilities	Protection during firefighting	
1.1. For non-emergency personnel       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.         1.2. For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         2. Environmental precautions       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         3. Methods and material for containment and cleaning up       : Take up liquid spill into absorbent material.         Other information       : Dispose of materials or solid residues at an authorized site.         4. Reference to other sections       : Dispose of materials or solid residues at an authorized site.         SECTION 7: Handling and storage       : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.         Hygiene measures       : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.         2. Conditions for safe storage, including any incompatibilities       : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.	SECTION 6: Accidental release mea	asures
Emergency procedures       : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray.         4.2. For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         2. Environmental precautions       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         3. Methods and material for containment and cleaning up       : Take up liquid spill into absorbent material.         Other information       : Dispose of materials or solid residues at an authorized site.         .4. Reference to other sections       :         or further information refer to section 13.       :         SECTION 7: Handling and storage       :         .1. Precautions for safe handling       : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.         Hygiene measures       : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.         .2. Conditions for safe storage, including any incompatibilities       :	6.1. Personal precautions, protective e	quipment and emergency procedures
Also in the interview of the environment of the envinoment of the envinoment of the environment	6.1.1. For non-emergency personnel	
Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         2.       Environmental precautions         woid release to the environment.	Emergency procedures	
Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         2.       Environmental precautions         woid release to the environment.         3.       Methods and material for containment and cleaning up         Methods for cleaning up       : Take up liquid spill into absorbent material.         Other information       : Dispose of materials or solid residues at an authorized site.         4.       Reference to other sections         For further information refer to section 13.         ECETION 7: Handling and storage         1.       Precautions for safe handling         Precautions for safe handling       : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.         Hygiene measures       : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.         2.       Conditions for safe storage, including any incompatibilities	6.1.2. For emergency responders	
woid release to the environment.         .3.       Methods and material for containment and cleaning up         Methods for cleaning up       : Take up liquid spill into absorbent material.         Other information       : Dispose of materials or solid residues at an authorized site.         .4.       Reference to other sections         For further information refer to section 13.       ECTION 7: Handling and storage         .1.       Precautions for safe handling         Precautions for safe handling       : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.         Hygiene measures       : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.         .2.       Conditions for safe storage, including any incompatibilities	Protective equipment	
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Other information       : Dispose of materials or solid residues at an authorized site.         4. Reference to other sections	6.3. Methods and material for containm	nent and cleaning up
Other information       : Dispose of materials or solid residues at an authorized site.         4. Reference to other sections	Methods for cleaning up	
A.       Reference to other sections         For further information refer to section 13.         SECTION 7: Handling and storage         1.       Precautions for safe handling         Precautions for safe handling       : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.         Hygiene measures       : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.         2.       Conditions for safe storage, including any incompatibilities	<b>0</b> 1	
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Always wash hands after handling the product.         .2.       Conditions for safe storage, including any incompatibilities	SECTION 7: Handling and storage 7.1. Precautions for safe handling	
	SECTION 7: Handling and storage 7.1. Precautions for safe handling	dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.
Storage conditions : Store at room temp. Store locked up. Keep cool. Store in a well-ventilated place.	SECTION 7: Handling and storage           7.1.         Precautions for safe handling           Precautions for safe handling	dust/fume/gas/mist/vapors/spray. Wear personal protective equipment. : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
	SECTION 7: Handling and storage 7.1. Precautions for safe handling Precautions for safe handling Hygiene measures	<ul> <li>dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.</li> <li>Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

.1.	Control parameters
۱	WIEGERT'S IRON HEMATOXYLIN SOL B
١	No additional information available
I	Hydrogen Chloride (7647-01-0)
1	No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls

: Avoid release to the environment.

: Ensure good ventilation of the work station.

#### 8.3. 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

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



SECTION 9: Physical and chemical properties		
0.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Color	: Colorless	
Odor	: Mixture contains one or more component(s) which have the following odour:	
Odor threshold	: No data available	
рН	: No data available	
Melting point	: Not applicable	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: Not applicable.	
Vapor pressure	: No data available	
Relative vapor density at 20°C	: No data available	
Relative density	: No data available	
Solubility	: No data available	
Partition coefficient n-octanol/water (Log Pow)	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

according to Federal Register / Vol. 77, No. 58 / Monday, N	March 26, 2012 / Rules and Regulations
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivity	
10.1. Reactivity	
The product is non-reactive under normal condition	ins of use, storage and transport
	ns of use, storage and transport.
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
No dangerous reactions known under normal con	ditions of use.
10.4. Conditions to avoid	
None under recommended storage and handling	conditions (see section 7).
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition products	
	ardous decomposition products should not be produced.
SECTION 11: Toxicological information	on
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Hydrogen Chloride (7647-01-0)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT reported evapours	. Not closed
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.
<b>SECTION 12: Ecological information</b>	
12.1. Toxicity	
Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
12.2. Persistence and degradability	
No additional information available	

#### 12.3. Bioaccumulative potential

No additional information available

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations	S
13.1. Disposal methods	
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
SECTION 14: Transport information	
Department of Transportation (DOT)	
In accordance with DOT	
Not applicable	
Transportation of Dangerous Goods	
Not applicable	
Transport by sea	
Not applicable	
Air transport	
Not applicable	
SECTION 15: Regulatory information	
15.1. US Federal regulations	

Hydrogen Chloride (7647-01-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Not subject to reporting requirements of the United States SARA Section 313 Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	5000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb

#### 15.2. International regulations

#### CANADA

Hydrogen Chloride (7647-01-0)	
Listed on the Canadian DSL (Domestic Substances List)	

#### **EU-Regulations**

#### National regulations No additional information available

15.3. US State regulations

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Component	State or local regulations
Hydrogen Chloride(7647-01-0)	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** 

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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