

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

1 Identification

- **Product identifier**
- **Trade name:** MC-FERROX B 2.8
- **Article number:** W11.XX W11.XXXX
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Wasser Technologies
 4118 B PL NW, Suite B
 Auburn, WA 98001, US
 Phone 253-850-2967
- **Information department:** *Product safety department*
- **Emergency telephone number:**
 EMERGENCY PHONE NUMBERS:
 USA and Canada: 1-800 424-9300
 International: 1-703 527-3887

2 Hazard(s) identification

- **Classification of the substance or mixture**



Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Muta. 1B H340 May cause genetic defects.

Carc. 1A H350 May cause cancer.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** *Danger*

- **Hazard-determining components of labeling:**

Solvent naphtha (petroleum), light arom.

Ferric oxide

4,4'-methylenediphenyl diisocyanate

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 1)

Talc ($Mg_3H_2(SiO_3)_4$)· **Hazard statements**

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H340 May cause genetic defects.

H350 May cause cancer.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

· **Precautionary statements**

Keep out of reach from children.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P284 [In case of inadequate ventilation] wear respiratory protection.

P280 Wear protective gloves / eye protection / face protection.

P240 Ground/bond container and receiving equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P363 Wash contaminated clothing before reuse.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**· **NFPA ratings (scale 0 - 4)**

Health = 3

Fire = 3

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

Health = *3

Fire = 3

Reactivity = 0

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 2)

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

| | | |
|------------|---|---------|
| 1309-37-1 | Ferric oxide | 10-30%% |
| 1330-20-7 | xylene | 10-30%% |
| 14807-96-6 | Talc (Mg ₃ H ₂ (SiO ₃) ₄) | 5-10%% |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | 1-5%% |
| 13463-67-7 | titanium dioxide (only in gray color) | 1-5%% |
| 101-68-8 | 4,4'-methylenediphenyl diisocyanate | 1-5%% |
| 9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues | 1-5%% |
| 1333-86-4 | Carbon black | 0.1-1%% |
| 26471-62-5 | m-tolylidene diisocyanate | 0.1-1%% |
| 14808-60-7 | Quartz (SiO ₂) | 0.1-1%% |
| 64741-65-7 | Naphtha (petroleum), heavy alkylate | 0.1-1%% |

4 First-aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 3)

- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

1330-20-7 xylene

| | |
|-----|---|
| PEL | Long-term value: 435 mg/m ³ , 100 ppm |
| REL | Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm |
| TLV | Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm |
| BEI | |

101-68-8 4,4'-methylenediphenyl diisocyanate

| | |
|-----|---|
| PEL | Ceiling limit value: 0.2 mg/m ³ , 0.02 ppm |
|-----|---|

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 4)

REL Long-term value: 0.05 mg/m³, 0.005 ppm
Ceiling limit value: 0.2* mg/m³, 0.02* ppm
*10-min

TLV Long-term value: 0.051 mg/m³, 0.005 ppm

26471-62-5 m-tolyldene diisocyanate

PEL Ceiling limit value: 0.14 mg/m³, 0.02 ppm

REL LFC

TLV Short-term value: (0.14) NIC-0.021* mg/m³, (0.02) NIC-0.003* ppm
Long-term value: (0.036) NIC-0.007* mg/m³, (0.005) NIC-0.001* ppm
*(IFV) SEN; NIC-Skin; A3

· **Ingredients with biological limit values:****1330-20-7 xylene**

BEI 1.5 g/g creatinine
Medium: urine
Time: end of shift
Parameter: Methylhippuric acids

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.

· **Breathing equipment:**

During mixing, handling and application: Splash goggles. Full protective clothing. Gloves (impervious). Wear suitable respiratory equipment. When air concentrations are not known (or above the TLV), an air-supplied respirator is required. Refer to OSHA Respiratory Protection Standard (29 CFR 1910.134). In presence of air movement, air-purifying (cartridge type) respirators are not the best protection but can be used, if you replaced them frequently. Change cartridges after 8h max or less due to their low warning properties. When in a confined space wear MSHA/NIOSH approved self-contained breathing apparatus or equivalent and full protective gear.

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 6)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 5)

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

| | |
|------------------|-----------------|
| Form: | Fluid |
| Color: | Various colors |
| Odor: | Aromatic |
| Odour threshold: | Not determined. |

· pH-value: Not determined.

· Change in condition

| | |
|------------------------------|-----------------|
| Melting point/Melting range: | Undetermined. |
| Boiling point/Boiling range: | 137 °C (279 °F) |

· Flash point: 24 °C (75 °F)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 500 °C (932 °F)

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· Explosion limits:

| | |
|--------|-----------|
| Lower: | 1.1 Vol % |
| Upper: | 7.0 Vol % |

· Vapor pressure at 20 °C (68 °F): 6.7 hPa (5 mm Hg)

· Density at 20 °C (68 °F): 1.56-1.70 g/cm³ (13.018-14.187 lbs/gal)

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

| | |
|------------|-----------------|
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |

· Solvent content:

Solids content: 79.0-84 %

· Other information: No further relevant information available.

10 Stability and reactivity

· Reactivity: No further relevant information available.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 6)

- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

1309-37-1 Ferric oxide

| | | |
|------|------|-------------------|
| Oral | LD50 | >5000 mg/kg (rat) |
|------|------|-------------------|

1330-20-7 xylene

| | | |
|--------|------|---------------------|
| Oral | LD50 | 4300 mg/kg (rat) |
| Dermal | LD50 | 2000 mg/kg (rabbit) |

64742-95-6 Solvent naphtha (petroleum), light arom.

| | | |
|------------|----------|-------------------|
| Oral | LD50 | >6800 mg/kg (rat) |
| Dermal | LD50 | >3400 mg/kg (rab) |
| Inhalative | LC50/4 h | >10.2 mg/l (rat) |

101-68-8 4,4'-methylenediphenyl diisocyanate

| | | |
|------|------|--------------------|
| Oral | LD50 | 2200 mg/kg (mouse) |
|------|------|--------------------|

64741-65-7 Naphtha (petroleum), heavy alkylate

| | | |
|------------|----------|-----------------------|
| Oral | LD50 | > 6000 mg/kg (rat) |
| Dermal | LD50 | > 3000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | > 7.8 mg/l (rat) |

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:**
Sensitization possible through inhalation.
Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant
The product can cause inheritable damage.
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

| | | |
|------------|---|----|
| 1309-37-1 | Ferric oxide | 3 |
| 1330-20-7 | xylene | 3 |
| 14807-96-6 | Talc (Mg ₃ H ₂ (SiO ₃) ₄) | 2B |
| 13463-67-7 | titanium dioxide | 2B |
| 101-68-8 | 4,4'-methylenediphenyl diisocyanate | 3 |
| 9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues | 3 |
| 1333-86-4 | Carbon black | 2B |
| 26471-62-5 | m-tolylidene diisocyanate | 2B |
| 14808-60-7 | Quartz (SiO ₂) | 1 |

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 7)

| | | |
|--|--------------------------------------|---|
| 7631-86-9 | silicon dioxide, chemically prepared | 3 |
| 111-76-2 | 2-butoxyethanol | 3 |
| · NTP (National Toxicology Program) | | |
| 26471-62-5 | m-tolylidene diisocyanate | R |
| 14808-60-7 | Quartz (SiO ₂) | K |
| · OSHA-Ca (Occupational Safety & Health Administration) | | |
| None of the ingredients is listed. | | |


12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
 Water hazard class 3 (Self-assessment): extremely hazardous for water
 Do not allow product to reach ground water, water course or sewage system, even in small quantities.
 Danger to drinking water if even extremely small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|---|---|
| <ul style="list-style-type: none"> · UN-Number · DOT, ADR, IMDG, IATA | <p style="text-align: center;">UN1263</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT, IATA · ADR · IMDG | <p style="text-align: center;">Paint 1263 Paint PAINT</p> |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | <div style="text-align: center;">  <p>3</p> </div> |
| <ul style="list-style-type: none"> · Class | <p style="text-align: center;">3 Flammable liquids</p> |

(Contd. on page 9)

Safety Data Sheet


acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 8)

| | |
|---|--|
| · Label | 3 |
| · ADR, IMDG, IATA | |
|  | |
| · Class | 3 Flammable liquids |
| · Label | 3 |
| · Packing group | |
| · DOT, ADR, IMDG, IATA | III |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Warning: Flammable liquids |
| · Danger code (Kemler): | 30 |
| · EMS Number: | F-E,S-E |
| · Stowage Category | A |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | |
| Not applicable. | |
| · Transport/Additional information: | |
| · DOT | |
| · Quantity limitations | On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L |
| · ADR | |
| · Excepted quantities (EQ) | Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| · IMDG | |
| · Limited quantities (LQ) | 5L |
| · Excepted quantities (EQ) | Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml |
| · UN "Model Regulation": | UN 1263 PAINT, 3, III |

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

| | |
|------------|--|
| 1330-20-7 | xylene |
| 101-68-8 | 4,4'-methylenediphenyl diisocyanate |
| 9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues |
| 26471-62-5 | m-tolylidene diisocyanate |
| 872-50-4 | N-methyl-2-pyrrolidone |
| 111-76-2 | 2-butoxyethanol |

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 9)

· **Proposition 65**· **Chemicals known to cause cancer:**

| | |
|------------|----------------------------|
| 13463-67-7 | titanium dioxide |
| 1333-86-4 | Carbon black |
| 26471-62-5 | m-tolylidene diisocyanate |
| 14808-60-7 | Quartz (SiO ₂) |

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

| | |
|----------|------------------------|
| 872-50-4 | N-methyl-2-pyrrolidone |
|----------|------------------------|

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

| | | |
|-----------|--|--------|
| 1330-20-7 | xylene | I |
| 101-68-8 | 4,4'-methylenediphenyl diisocyanate | D, CBD |
| 9016-87-9 | diphenylmethanediisocyanate, isomeres and homologues | CBD |
| 111-76-2 | 2-butoxyethanol | NL |

· **TLV (Threshold Limit Value established by ACGIH)**

| | |
|---|------|
| Ferric oxide | A4 |
| xylene | A4 |
| Talc (Mg ₃ H ₂ (SiO ₃) ₄) | A4 |
| titanium dioxide | A4 |
| Carbon black | A4 |
| m-tolylidene diisocyanate | (A4) |
| Quartz (SiO ₂) | A2 |

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

| | |
|------------|----------------------------|
| 13463-67-7 | titanium dioxide |
| 1333-86-4 | Carbon black |
| 26471-62-5 | m-tolylidene diisocyanate |
| 14808-60-7 | Quartz (SiO ₂) |

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS02 GHS07 GHS08

· **Signal word Danger**· **Hazard-determining components of labeling:**

Solvent naphtha (petroleum), light arom.

Ferric oxide

4,4'-methylenediphenyl diisocyanate

Talc (Mg₃H₂(SiO₃)₄)· **Hazard statements**

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 10)

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H340 May cause genetic defects.

H350 May cause cancer.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

· **Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P284 [In case of inadequate ventilation] wear respiratory protection.

P280 Wear protective gloves / eye protection / face protection.

P240 Ground/bond container and receiving equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing must not be allowed out of the workplace.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P363 Wash contaminated clothing before reuse.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

· **Additional classification according to Decree on Hazardous Materials:**

Carcinogenic hazardous material group III (dangerous).

· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.

Exceptions can be made by the authorities in certain cases.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:** Product safety department

· **Contact:** HS REG.DEPART.REG.SS

· **Date of preparation / last revision** 01/01/2021 / -

(Contd. on page 12)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/01/2021

Reviewed on 01/01/2021

Trade name: MC-FERROX B 2.8

(Contd. of page 11)

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

Muta. 1B: Germ cell mutagenicity, Hazard Category 1B

Carc. 1A: Carcinogenicity, Hazard Category 1A

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

US