

SAFETY DATA SHEET

IronGEL™



Creation Date: 9/5/2022
Revision Date: 6/14/2024
Version 1.2
SDS # 36A

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifier

Product Name: Iron-GEL

Chemical name: Iron-suspension

1.2 Recommended Use of the Chemical and Restrictions on Use

Recommended Use: Remediation of chlorinated solvents in groundwater and soil via in-situ chemical reduction (for both professional and industrial use)

Restrictions on Use: Use as recommended by label

1.3 Details of the Supplier and of the Safety Data Sheet

Supplier Tersus Environmental, LLC
 1116 Colonial Club Rd
 Wake Forest, NC 27587
 Phone: +1-919-453-5577
 Email: info@tersusenv.com

1.4 Emergency Telephone Number

For leak, fire, spill or accident emergencies, call:

+1-919-453-5577 (Tersus Office Hours, 8:00 AM to 5:00 PM Eastern)

+1-919-638-7892 (Tersus Outside office hours)

+1-800-424-9300 (Chemtrec 24 Hour Service – Emergency Only)

2. HAZARD IDENTIFICATION

2.1 Relevant identified uses of the substance or mixture

This chemical is considered non-hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.3 Classification system



2.3.1 Other Dangers

A small amount of explosive hydrogen gas may be released (less than 1 L/kg per hour) when in contact with water.

2.3.2 Acute and chronic effects on organs and systems/clinical symptoms on target organs

The information relating to the exact identification of the action of the components of the mixture are either not available or are not significantly relevant in relation to the dangerousness of the product.

2.3.3 More info

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at concentrations of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical Formula Fe⁰ and FeO**3.2 Chemical Composition**

Chemical Name	Concentration (%)	CAS Number
Iron	40-50	7439-89-6
Iron (II) Oxide	1-5	1345-25-1
Biodegradable Carbohydrates	50-60	Proprietary

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of the product composition has been withheld as a trade secret.

Synonyms are provided in Section 1.

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

4. FIRST AID MEASURES

4.1 General Information

Please see the section to follow: Eye Contact, Skin Contact, Inhalation, and Ingestion for more information on what to do in an event of these types of exposure.

4.1.1 Eye Contact

IN CASE OF CONTACT WITH EYES: wash immediately with plenty of water or saline, with the eyelid open, for at least 15 minutes.

4.1.2 Skin Contact

IN CASE OF CONTACT WITH SKIN: the matter is not classified as dangerous for this route of contact. However, it is advisable to remove impregnated clothes, wash the skin with plenty of soap and water.

4.1.3 Inhalation

IN CASE OF INHALATION: the matter is not classified as dangerous for this route of contact due to exposure to high concentrations of mists or vapors, transport the injured person in a clean environment, and contact a doctor. Administer oxygen and ventilate, if necessary. Do not carry out operations that also endanger rescuers.

4.1.4 Ingestion

IN CASE OF INGESTION: consult your doctor for appropriate treatment.

4.2 Important Symptoms and Effects (Acute and Delayed)

It is not expected to present a significant hazard under the normal intended conditions of use.

4.3 Indication of any immediate medical attention and special treatment needed

Contact a doctor if symptoms are present. The sheet may not include data relating to substances/mixtures present at low concentrations. If in doubt, consult the information relating to the individual substances (see section 3 of the sheet). Maintain vital signs if necessary.

5. FIRE-FIGHTING MEASURES**5.1 Suitable Extinguishing Media**

General information Remove containers from the fire area if this is possible without risk. Contain and collect the extinguishing water for subsequent disposal. In case of fire, keep upwind and avoid being hit by fumes or vapors. Use the following extinguishing media: carbon dioxide, foam, water (preferably nebulized), chemical powders or sand (for small fires).

5.2 Specific Hazards Arising from the Chemical or Mixture

The vapors may cause dizziness, fainting or choking.

5.3 Special Firefighting procedures

Wear:

- gas mask with breathing apparatus
- complete equipment consisting of helmet with visor and neck protection, fireproof jacket, and trouser with bands around the arms, legs and waist.

6. ACCIDENTAL RELEASE MEASURES

For anything not covered in this section, refer to the protective devices recommended in section 8 of this sheet.

6.1 Personal Precautions

For those who do not intervene directly

The following indications are aimed at duly trained personnel working in the plant units in which the substance is normally used and are intended to ensure, when possible, without risk, the preliminary safety operations before leaving and waiting for the intervention of the team of emergency.

Stop the leak if doing so without risk.

Keep people not involved in the emergency intervention away from the area affected by the spill.

If possible, always operate upwind. For more information on personal protective equipment, please see section 8.

For those who intervene directly

The following indications are addressed to expert personnel such as personnel belonging to the emergency team and, for this purpose, specially trained; they are added to the indications referred to in the point referring to personnel who do not intervene directly; the indications relating to environmental precautions and methods of containment and reclamation refer to the same personnel.

Expert personnel, such as personnel belonging to the emergency team and specially trained for this purpose, must comply with the indications referred to in the point referring to personnel who do not intervene directly and with the indications relating to environmental precautions and methods of containment and remediation.

6.2 Environmental Precautions

Water mist can be used to dilute vapors.

6.3 Methods for Containment and Clean up

Wash the floor with water after collecting the span. Place the collected material in clean and labelled containers.

7. HANDLING AND STORAGE**7.1 Precautions for Safe Handling**

Check the integrity of the containers before handling them. Handle the containers with care and do not open them at temperatures above 35°C.

If you carry out operations with the material outdoors, operate upwind.

Always avoid:

- contact with skin and eyes
- inhalation of vapors and fumes

Handle in a well-ventilated place.

Provide for the use, where necessary and particularly in emptying or transfer areas, of localized aspiration systems.

Once the containers have been emptied, they must be transferred without delay to the area identified for the collection of the same pending disposal or re-use.

Never reuse empty containers before they have undergone industrial cleaning or reconditioning.

Before carrying out operations of transfer into other containers, make sure that there are no residues of incompatible substances inside them.

No smoking in work and storage areas.

Food and drink must be consumed only in specially identified areas after removing contaminated clothing and protective devices and after washing hands. In any case, wash your hands after handling the substance.

7.2 Hygiene Measures

Avoid inhalation, ingestion and contact with skin and eyes.

General occupational hygiene measures are required to ensure safe handling of the substance. The measures involve good personal and housekeeping practices (i.e., regular cleaning with suitable cleaning devices), no drinking, eating, and smoking at the workplace. Shower and change clothes at the end of work shift.

7.3 Specific end users

Recommendations referring to uses must be evaluated on a case-by-case basis, also in relation to the possible composition of the commercial product that contains the substance, in the light of the sector of activity for which the substance or mixture is intended and of the technological and production cycle of use.

7.4 Conditions for Safe Storage (with Incompatibilities)

Conditions for safe storage, including any incompatibilities

Protect containers from damage.

Protect the container from knocks and falls.

Adequately ventilate the storage area so that any vapor escaping from containers can be diluted.

Store in a well-ventilated, dry and cool place at a temperature of 1-5°C. Do not freeze.

Store in closed and labeled containers.

Store any unused material protected with an inert gas (such as nitrogen or argon).

Minimize all possible sources of material loss through appropriate procedural and plant engineering interventions.

Keep away from food, feed and drink.

Store away from incompatible materials, such as oxidizing agents, acids, acetylene, ammonia.

Keep only in the original container.

Keep containers tightly sealed in dry places to avoid oxidation. Make sure the product also doesn't come into contact with any acids or strong oxidizers.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control Parameters

For occupational exposure limits of the substances in the mixture, reference shall be made to the information of each component. The values currently available and updated for the constituent substances listed in Section 3 of the fiche are reported. No substances for which there are known exposure limit values shall be mentioned. Information on Occupational Exposure Limits for the components of the mixture is either not available or is not significantly relevant to the hazardousness of the product.

8.1.1 Components with Occupational Exposure Limits

Data not available.

8.2 Exposure Controls



8.2.1 Appropriate Engineering Controls

Ensure adequate ventilation of the area. Do not eat or drink or smoke in the workplace.

8.2.2 Eye Protection

For PPE for the eyes/face of the substances/mixtures that make up the product, reference should be made to the information of each component. Use of ANSI safety glasses, or protective goggles.

8.2.3 Respiratory Protection

For PPE for the respiratory tract of the substances/mixtures that make up the product, reference should be made to the information of each component. If exposure limits are high, or if respiratory irritation begins to occur (cough / shortness of breath), then MSHA-approved respiratory equipment should be worn.

8.2.4 Hand Protection

For PPE for the skin of the substances/mixtures that make up the product, reference must be made to the information of each component. In case of fire additionally use black glasses (to prevent a risk of damage to the retina). Use of canvass gloves.

8.2.5 Other Skin and Body Protection

Apron or suit resistant to chemicals. The information on skin PPE for the components of the mixture is either not available or is not significantly relevant in relation to the hazardousness of the product.

Do not eat or drink or smoke in the workplace.

8.3 Hygiene Measures

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties (Information for This Section Is Currently Unknown)

Appearance	Black or metallic gray
Odor	Odorless
Odor threshold	N/A
pH	8-10.5
Melting point /Freezing Point	Data not Available
Initial Boiling point and boiling point range	Data not Available
Flash Point	Data not Available
Evaporation rate	Data not Available
Flammability (solid; gas)	Not flammable
Upper/lower flammability or explosive limits	Data not Available
Vapor pressure	Data not Available
Vapor density	Data not Available
Relative density	1.7-1.8 g/cm ³
Solubility (ies)	Data not Available
Partition coefficient: n-octanol/water	Data not Available
Initial Boiling point and boiling point range	Data not Available
Auto-ignition temperature	Data not Available
Decomposition temperature	Data not Available
Viscosity	Data not Available
Particle size	Diameter 1-100 µm

10. STABILITY AND REACTIVITY

10.1 Reactivity

A small amount of hydrogen (less than 1L/kg/hr) is produced in contact with water.

10.2 Chemical stability

Stable under the conditions of use and storage recommended in section 7.

<u>10.3 Possibility of Hazardous Reactions</u>	None under normal processing.
<u>10.4 Conditions to Avoid</u>	Avoid generating dust and high temperatures.
<u>10.5 Incompatible Materials</u>	To not mix with or keep around strong acids, oxidizing agents, acetylene and ammonia.
<u>10.6 Hazardous Decomposition Products</u>	None under normal use.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

No experimental studies have been performed on the mixture as such. For human toxicity aspects, the individual constituents mentioned in section 3 of the fiche should therefore be evaluated. This contains currently available information for components for which specific effects are known.

11.2 Acute toxicity

Oral LD50 toxicity (rat): 30 g/kg BW/day

11.3 Respiratory corrosion

The information on the corrosive and/or irritating power for the respiratory tract for the components of the mixture is either not available or is not significantly relevant in relation to the hazardousness of the product. The mixture does not have corrosive and/or irritating power for the respiratory tract.

11.4 Corrosive and/or irritating skin

The information relating to the corrosive and/or irritating power for the skin for the components of the mixture is either not available or is not significantly relevant in relation to the hazardousness of the product. The mixture does not have corrosive and/or irritating power for the skin.

11.5 Serious damage and/or irritant to the eyes

Information on the corrosive and/or irritating power for the components of the mixture is either not available or is not significantly relevant in relation to the hazardousness of the product. The mixture does not have corrosive and/or irritating power for the eyes.

11.6 Respiratory

The information on respiratory sensitizing power for the components of the mixture is either not available or is not significantly relevant in relation to the hazardousness of the product. The substance has shown sensitizing power for the respiratory tract.

11.7 Skin sensitizing power

The information relating to the sensitizing power for the components of the mixture is either not available or is not significantly relevant in relation to the hazardousness of the product. No skin sensitizing power of the mixture has been demonstrated.

11.8 Specific target organ toxicity (STOT) - single exposure

Specific target organ toxicity (STOT) information - single exposure for the components of the mixture is either not available or is not significantly relevant to the hazardousness of the product. The mixture is considered to have no proven or potential target organ specific toxicity (STOT) effects following single exposure.

11.9 Specific target organ toxicity (STOT) - repeated exposure

Information on specific target organ toxicity (STOT) - repeated exposure to the components of the mixture is either not available or is not significantly relevant in relation to the hazardousness of the product. The mixture is considered to have no proven or potential target organ specific toxicity (STOT) effects following repeated exposure.

11.10 Carcinogenicity

Carcinogenicity assessments for the components of the mixture are either not available or are not significantly relevant in relation to the hazardousness of the product. The mixture is considered to have no proven or potential carcinogenic effects for humans.

11.11 Germ cell mutagenicity

Evaluations for the components of the mixture are either not available or are not significantly relevant in relation to the hazardousness of the product. The mixture is considered to have no proven or potential mutagenic effects for humans.

11.12 Reproductive toxicity

Evaluations of reproductive toxicity for the components of the mixture are either not available or are not significantly relevant in relation to the hazardousness of the product.

The mixture is considered to have no proven or potential effects of reproductive toxicity to humans.

11.13 Hazard in case of suction

Evaluations for the components of the mixture are either not available or are not significantly relevant in relation to the hazardousness of the product.

It is considered that the mixture has no proven or potential effects in case of aspiration.

11.14 Other: metabolism, kinetics, mechanism of action

Information related to metabolism, kinetics, mechanism of action, etc. for the components of the mixture, is either not available or is not significantly relevant in relation to the hazardousness of the product.

11.15 Potential routes of exposure

Inhalation, skin contact and ingestion.

11.16 General information

Inhalation of dust can irritate the respiratory system.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

CL50	Pisces		2,976 mg/l
EC50	Crustaceans (Daphnia)		13,248 mg/l
EC50	Alga	72 hours	1,080 mg/l

12.2 Ecotoxicity: long-term effects

The long-term aquatic toxicity studies for the individual substances/mixtures that make up the product and referred to in section 3 of the fiche are either not known or are not significantly relevant in relation to the hazard of the mixture.

12.3 Persistence and degradability

Information on persistence and degradability for the components of the mixture is either not available or is not significantly relevant in relation to the hazardousness of the product.

12.4 Bioaccumulation potential

Information on the bioaccumulation potential for the components of the mixture is either not available or is not significantly relevant in relation to the hazardousness of the product.

12.5 Mobility in soil

Soil mobility information for the components of the mixture is either not available or is not significantly relevant in relation to the hazardousness of the product.

12.6 Results of PBT and vPvB assessment

Not relevant: inorganic substance

12.7 Endocrine-disrupting properties

This mixture does not contain substances with endocrine-disrupting properties.

12.8 Other adverse effects

No other adverse effects of the mixture are known.

13. DISPOSAL CONSIDERATIONS**13.1 Waste Disposal Methods**

In the event of disposal as such, the material must be classified as non-hazardous waste in accordance with Directive 98/2008/EC and Regulation 1357/2014/EU.

Waste EWC code: 06 03 99 - waste not otherwise specified
Burnt waste EWC code: 06 03 16 - metal oxides, other than those mentioned in item 06 03 15

EWC code for contaminated packaging: 15 01 04 - metallic packaging

EWC codes are recommended based on the likely use of this product. The other EWC codes can also be used, depending on the specific use or specific packaging defined by the user.
Packaging disposal: Packaging that cannot be cleaned should be disposed as special waste in compliance with local, state, and national regulations.

In the event of disposal as such, the material must be classified as non-hazardous waste in accordance with Directive 98/2008/EC and Regulation 1357/2014/EU.

14. TRANSPORTATION INFORMATION**14.1 U.S. (D.O.T.)**

Proper Shipping Name:	N/A
Hazard Class:	N/A
UN/NA:	N/A
Labels:	N/A

14.2 Canada (T.D.G.)

Proper Shipping Name:	N/A
Hazard Class:	N/A
UN/NA:	N/A

Labels: N/A

14.3 IMDG

Proper Shipping Name: N/A
Hazard Class: N/A
UN/NA: N/A
Labels: N/A

14.4 IATA

Proper Shipping Name: N/A
Hazard Class: N/A
UN/NA: N/A
Labels: N/A

15. REGULATORY INFORMATION

15.1 United States Federal Regulations

This product follows all applicable US Federal Regulations.

The list of legislative references is indicative and not exhaustive. In each specific case, the user of the product is required to investigate the legislation and the recommendations relating to the correct use of the product.

- Regulation (EC) n. 1907/2006 of 18 December 2006 and subsequent amendments (Registration, Evaluation, Authorization and Restriction of Chemicals - REACH Regulation)
- Regulation (EU) n. 2015/830 of 28 May 2015 amending regulation (EC) no. 1907/2006 of 18 December 2006 and subsequent amendments (Registration, Evaluation, Authorization and Restriction of Chemicals - REACH Regulation).
- Regulation (EC) n. 1272/2008 of the European Parliament and of the Council, of 16 December 2008, relating to the classification, labeling and packaging of substances and mixtures which amends and repeals directives 67/548/EEC and 1999/45/EC and which modifies Regulation (EC) no. 1907/2006.
- Legislative Decree 26 June 2015, n. 105 - Implementation of directive 2012/18/EU. (Major accident risks - "Seveso" directive)
- Ministerial Decree 9 April 2008 and subsequent amendments (List of occupational diseases in industry and agriculture)
- Legislative Decree 9 April 2008, n. 81 and subsequent amendments (Protection of health and safety in the workplace)
- Legislative Decree 3 April 2006, n. 152 and subsequent amendments (Environmental regulations - Waste and hazardous packaging - Protection of water from pollution)
- Legislative Decree 3 December 2010, n 205 and subsequent amendments - implementation of Directive 98/2008/EC (waste)
- Reg. 1357/2014/EU (Hazardous characteristics of waste)
- Presidential Decree 5 April 1989, no. 250 (Detergent biodegradability)
- Reg. 648/2004/CE and Reg. 907/2006/CE (detergents)

15.2 SARA 311/312 Hazards Regulation

Consider the chemical safety assessment especially taking into account the physico-chemical properties, the way and circumstances of use of the substance or mixture. If handled properly with safety requirements in place, the following apply:

Acute Health Hazard: No
Chronic Pain Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

15.3 SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

15.4 California Prop. 65

The product doesn't contain any Prop. 65 chemicals.

15.4 The Components of the Product Are Reported in the Following Inventories

CH INV: Complies
DSL: Complies
AICS: Complies
NZIoC: Complies
ENCS: -
KECI: Complies
PICCS: Complies
IECSC: Complies
TCSI: Complies
TSCA: Complies

16. OTHER INFORMATION

This sheet cancels and replaces any previous version.

The information provided is based on the compiler's best knowledge on the date indicated in the introduction. They are to be understood exclusively as referring to the product indicated.

They may therefore be irrelevant in the case of combinations or mixtures. The user must comply with the regulations in force, and ensure the updating, suitability and completeness of the information contained; this in relation to the specific use that must be made of the product.

Safety data sheet revision

Below are the changes made to this information sheet, compared to the previous version of the same.
Data not applicable

Hazard statement codes and Supplemental hazard statement codes: full text (Reg. 1272/2008)

Below is the full text of the hazard statement codes (H codes) and supplemental hazard statement codes (EUH codes) used to compile this information sheet.

Nobody

Precautionary statements: full text (Reg. 1272/2008)

The complete text of the precautionary statements (P codes) used for the compilation of this information sheet is shown below.

Nobody

Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road under Directive 94/55/EC.

BEI: Biological Exposure Limit: indicates the biological level of the relative agent or one of its metabolites established by the ACGIH.

EC50: Median effective concentration: concentration that produces an effect other than death in 50% of individuals (immobilization, growth arrest, etc.) in both acute and chronic assays.

CL0: Highest dose used that does not cause any deaths.

DFG: German commission for the study of health hazards of chemical compounds in the workplace

LD50: single dose of substance, statistically evaluated, which is expected to cause the death of 50% of treated animals.

DNEL: Derived No Effect Levels

PPE: Personal protective equipment.

IARC: International Agency for Research on Cancer.

IBC: International code for the construction and equipment of ships carrying dangerous chemicals in bulk.

ICAO: International Civil Aviation Organization, (Safety of the transport of dangerous goods by air).

IMDG: International Maritime Dangerous Goods Code for the carriage of dangerous goods by sea.

IMO: International Maritime Organization.

Kow: partition coefficient between n-octanol and water (Kow). It is the ratio between the equilibrium concentrations of a substance dissolved in a system consisting of n-octanol and water. It is a measure of the lipophilicity of the substance.

LOAEL: Lowest Observed Adverse Effect Level – The lowest dose at which an adverse effect was observed.

MAK: maximum concentration in the air in the workplace to which a chemical substance (such as gas, vapor or particulate matter) generally does not cause adverse effects on workers' health or cause discomfort even if the person is repeatedly exposed for long periods.

MARPOL: Protocol relating to the transport of bulk according to the IMO.

NOEC: No Observed Effect Concentration – Concentration with no observed effect.

NOEL: No Observed Effect Level - Dose with no observed effect represents the highest level (concentration or dose) at which no effect has occurred. As a rule, it refers to long-term chronic assays.

PNEC: Predicted No Effect Concentration

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

SCN: central nervous system.

STEL: Threshold Limit Value - Short Time Exposure Limit (TLV-TWA): the concentration to which it is believed that the worker can be exposed for 15 minutes for a maximum of 4 times a day with an interval of 60 minutes between exposures.

TLV: Threshold Limit Value established by the ACGIH

TWA: Threshold Limit Value - Time Weighted Average (TLV-TWA) of the concentration over a conventional 8-hour working day, to which it is believed that nearly all workers may be repeatedly exposed, day after day over a working life, without negative effects.

Data sources

The sources consulted for the compilation of this form are indicated below:

- HSDB Hazardous Substances Data Bank. Bethesda, MD: National Library of Medicine Files online
- ACGIH Threshold limit values for chemical substances and physical agents and biological exposure indices (TLVs and BEIs).

- Lewis, Richard J. Sr. Wiley (2000) Sax's Dangerous Properties of Industrial Materials - Interscience Publication. Tenth Edition.

- RTECS - Registry of Toxic Effects of Chemical Substances - National Library of Medicine of Bethesda (USA) by National Institute for Occupational Safety and Health (NIOSH) file on-line

- DFG (Deutsche Forschungsgemeinschaft) List of MAK and BAT Values. Maximum Concentrations and Biological Tolerance Values at the Workplace.
- GESTIS-database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance).
- United Nations. Restructured ADR. European Agreement concerning the International Carriage of Dangerous Goods by Road.
- United Nations. European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN).
- Organization Intergouvernementale pour les Transports Internationaux Ferroviaires (OTIF). Règlement concerning the transport international ferroviaire des marchandises dangereuses (RID).
- International Civil Aviation Organization (ICAO). Technical Instructions for the Safe Transport of Dangerous Goods by Air.
- International Maritime Organization (IMO). International Maritime Dangerous Goods Code.

Components not precisely identified are proprietary or non-hazardous. Mixture classified as not dangerous according to Regulation (EC) 1272/2008. Observe employment restrictions for people. The product is not listed with IARC, NTP, ACGIH or OSHA as a carcinogen.

Disclaimer: The information contained in this Safety Data Sheet (SDS), as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty, express or implied, or guarantee. Tersus Environmental, LLC urges each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. Since we cannot control the application, use or processing of the product, we do not accept responsibility. Therefore, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product and ensure that the intended use of the product will not infringe any party's intellectual property right. The information presented here pertains only to the product as shipped.

All recommendations for the use of our products, whether given by us, orally or to be implied from data or lab tests results by us, are based on the current state of our knowledge at the time those recommendations are made. When additional information is obtained, these recommendations may be updated. They may also be influenced by circumstances outside our control. Notwithstanding such recommendation the user is responsible for ensuring that the product supplied by us is suitable for the process or purpose he/she intends to use it.

Due to the proliferation of sources for information such as manufacturer specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.



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End of Safety Data Sheet