(2012 OSHA Hazard Communication Standard (29 CFR 1910.1200))

SAFETY DATA SHEET

SIEMENS

ADVIA® Chemistry TIBC Reagents

SDS # : 03940010

Section 1. Identification

Product identifier : ADVIA® Chemistry TIBC Reagents

Product code : 03940010, 10309071

Product type : Liquid.

Relevant identified uses of the substance or mixture and uses advised against

Not applicable.

Manufactured/supplied : Siemens Healthcare Diagnostics Inc.
511 Benedict Avenue
Tarrytown, NY 10591-5097 USA
1-877-229-3711

(800) 424-9300 (CHEMTREC) (24/365)

Section 2. Hazards identification

OSHA/HCS status : TIBC Reagent 1 — This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

TIBC Reagent 2 — This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : TIBC Reagent 1 — SKIN SENSITIZATION - Category 1
TIBC Reagent 2 — SKIN SENSITIZATION - Category 1

Additional information : Not available.

Not available.

GHS label elements

Hazard pictograms :

Signal word : TIBC Reagent 1 — Warning
TIBC Reagent 2 — Warning

Hazard statements : TIBC Reagent 1 — H317 - May cause an allergic skin reaction.
TIBC Reagent 2 — H317 - May cause an allergic skin reaction.

Precautionary statements

Prevention : TIBC Reagent 1 — P272 (OSHA) - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

TIBC Reagent 2 — P272 (OSHA) - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Section 2. Hazards identification

Response	:	TIBC Reagent 1	P302 + P352 + P363 - IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. P333 + P313 - If skin irritation or rash occurs: Get medical attention.
		TIBC Reagent 2	P302 + P352 + P363 - IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. P333 + P313 - If skin irritation or rash occurs: Get medical attention.
Storage	:	TIBC Reagent 1	Not applicable.
		TIBC Reagent 2	Not applicable.
Disposal	:	TIBC Reagent 1	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
		TIBC Reagent 2	P501 - Dispose of contents and container in accordance with all local, regional, and national regulations.
Supplemental label elements	:	TIBC Reagent 1	None known.
		TIBC Reagent 2	None known.
Hazards not otherwise classified	:	TIBC Reagent 1	None known.
		TIBC Reagent 2	None known.

Section 3. Composition/information on ingredients

Substance/mixture	:	TIBC Reagent 1	Mixture
		TIBC Reagent 2	Mixture

Ingredient name	%	CAS number
TIBC Reagent 1 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	0.00234	55965-84-9
TIBC Reagent 2 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	0.00153	55965-84-9

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	TIBC Reagent 1	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
		TIBC Reagent 2	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Section 4. First aid measures

Inhalation : TIBC Reagent 1

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

TIBC Reagent 2

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : TIBC Reagent 1

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

TIBC Reagent 2

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : TIBC Reagent 1

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or

Section 4. First aid measures

		waistband.
	TIBC Reagent 2	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	:	TIBC Reagent 1	No known significant effects or critical hazards.
		TIBC Reagent 2	No known significant effects or critical hazards.
Inhalation	:	TIBC Reagent 1	No known significant effects or critical hazards.
		TIBC Reagent 2	No known significant effects or critical hazards.
Skin contact	:	TIBC Reagent 1	May cause an allergic skin reaction.
		TIBC Reagent 2	May cause an allergic skin reaction.
Ingestion	:	TIBC Reagent 1	No known significant effects or critical hazards.
		TIBC Reagent 2	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	:	TIBC Reagent 1	No specific data.
		TIBC Reagent 2	No specific data.
Inhalation	:	TIBC Reagent 1	No specific data.
		TIBC Reagent 2	No specific data.
Skin contact	:	TIBC Reagent 1	Adverse symptoms may include the following: irritation redness
		TIBC Reagent 2	Adverse symptoms may include the following: irritation redness
Ingestion	:	TIBC Reagent 1	No specific data.
		TIBC Reagent 2	No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	:	No specific treatment.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

Section 4. First aid measures

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : In case of fire, use water spray (fog), foam or dry chemical.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
metal oxide/oxides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure controls/personal protection

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

Thermal hazards : TIBC Reagent 1
TIBC Reagent 2

Section 9. Physical and chemical properties

Physical state	:	TIBC Reagent 1	Liquid.
		TIBC Reagent 2	Liquid.
Color	:	TIBC Reagent 1	Colorless.
		TIBC Reagent 2	Colorless.
Odor	:	TIBC Reagent 1	Odorless.
		TIBC Reagent 2	Odorless.
pH	:	TIBC Reagent 1	Not applicable.
		TIBC Reagent 2	Not applicable.
Flash point	:	TIBC Reagent 1	[Product does not sustain combustion.]
		TIBC Reagent 2	Not available.
Flammability (solid, gas)	:	TIBC Reagent 1	Not relevant/applicable due to nature of the product.
		TIBC Reagent 2	Not relevant/applicable due to nature of the product.
Relative density	:	TIBC Reagent 1	>1
		TIBC Reagent 2	1
Solubility in water	:	TIBC Reagent 1	Not relevant/applicable due to nature of the product.
		TIBC Reagent 2	Not relevant/applicable due to nature of the product.
Partition coefficient: n-octanol/water	:	TIBC Reagent 1	Not available.
		TIBC Reagent 2	Not available.
Auto-ignition temperature	:	TIBC Reagent 1	Not available.
		TIBC Reagent 2	Not available.
Viscosity	:	TIBC Reagent 1	Not available.
		TIBC Reagent 2	Not available.

Aerosol product

Type of aerosol	:	TIBC Reagent 1	Not applicable.
		TIBC Reagent 2	Not applicable.

Section 10. Stability and reactivity

Reactivity	:	TIBC Reagent 1	No specific test data related to reactivity available for this product or its ingredients.
		TIBC Reagent 2	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	:	TIBC Reagent 1	The product is stable.
		TIBC Reagent 2	The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid	:	TIBC Reagent 1	No specific data.
		TIBC Reagent 2	No specific data.
Incompatible materials	:	TIBC Reagent 1	No specific data.
		TIBC Reagent 2	No specific data.

Section 10. Stability and reactivity

Hazardous decomposition products : TIBC Reagent 1 — Under normal conditions of storage and use, hazardous decomposition products should not be produced.

TIBC Reagent 2 — Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
TIBC Reagent 1 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LD50 Oral	Rat	53 mg/kg	-
TIBC Reagent 2 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	LD50 Oral	Rat	53 mg/kg	-

Conclusion/Summary : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
TIBC Reagent 1 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Skin - Severe irritant	Human	-	0.01 Percent	-
TIBC Reagent 2 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	Skin - Severe irritant	Human	-	0.01 Percent	-

Conclusion/Summary

Skin : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Eyes : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Respiratory : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Sensitization

Not available.

Conclusion/Summary

Skin : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Respiratory : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Mutagenicity

Not available.

Conclusion/Summary : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Section 11. Toxicological information

Carcinogenicity

Not available.

Conclusion/Summary	:	TIBC Reagent 1	Not available.
		TIBC Reagent 2	Not available.

Reproductive toxicity

Not available.

Conclusion/Summary	:	TIBC Reagent 1	Not available.
		TIBC Reagent 2	Not available.

Teratogenicity

Not available.

Conclusion/Summary	:	TIBC Reagent 1	Not available.
		TIBC Reagent 2	Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure	:	TIBC Reagent 1	Not available.
		TIBC Reagent 2	Not available.

Potential acute health effects

Eye contact	:	TIBC Reagent 1	No known significant effects or critical hazards.
		TIBC Reagent 2	No known significant effects or critical hazards.
Inhalation	:	TIBC Reagent 1	No known significant effects or critical hazards.
		TIBC Reagent 2	No known significant effects or critical hazards.
Skin contact	:	TIBC Reagent 1	May cause an allergic skin reaction.
		TIBC Reagent 2	May cause an allergic skin reaction.
Ingestion	:	TIBC Reagent 1	No known significant effects or critical hazards.
		TIBC Reagent 2	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	:	TIBC Reagent 1	No specific data.
		TIBC Reagent 2	No specific data.
Inhalation	:	TIBC Reagent 1	No specific data.
		TIBC Reagent 2	No specific data.
Skin contact	:	TIBC Reagent 1	Adverse symptoms may include the following: irritation redness
		TIBC Reagent 2	Adverse symptoms may include the following: irritation redness
Ingestion	:	TIBC Reagent 1	No specific data.
		TIBC Reagent 2	No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Section 11. Toxicological information

Potential immediate effects : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Potential delayed effects : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Long term exposure

Potential immediate effects : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Potential delayed effects : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Potential chronic health effects

Not available.

Conclusion/Summary : Not available. — TIBC Reagent 1
Not available. — TIBC Reagent 2

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
TIBC Reagent 2 Oral	148591.5 mg/kg

Interactive effects : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Other information : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Section 12. Ecological information

Toxicity

Not available.

Conclusion/Summary : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Persistence and degradability

Conclusion/Summary : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient (K_{OC}) : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Mobility : TIBC Reagent 1 — Not available.
TIBC Reagent 2 — Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

DOT Classification

UN number	TIBC Reagent 1	Not regulated.
	TIBC Reagent 2	Not regulated.
UN proper shipping name	TIBC Reagent 1	-
	TIBC Reagent 2	-
Transport hazard class(es)	TIBC Reagent 1	-
	TIBC Reagent 2	-
Packing group	TIBC Reagent 1	-
	TIBC Reagent 2	-
Environmental hazards	TIBC Reagent 1	No.
	TIBC Reagent 2	No.
Additional information	TIBC Reagent 1	-
	TIBC Reagent 2	-

TDG Classification

UN number	TIBC Reagent 1	Not regulated.
	TIBC Reagent 2	Not regulated.
UN proper shipping name	TIBC Reagent 1	-
	TIBC Reagent 2	-
Transport hazard class(es)	TIBC Reagent 1	-
	TIBC Reagent 2	-
Packing group	TIBC Reagent 1	-
	TIBC Reagent 2	-
Environmental hazards	TIBC Reagent 1	No.
	TIBC Reagent 2	No.
Additional information	TIBC Reagent 1	-
	TIBC Reagent 2	-

ADR/RID

UN number	TIBC Reagent 1	Not regulated.
	TIBC Reagent 2	Not regulated.
UN proper shipping name	TIBC Reagent 1	-
	TIBC Reagent 2	-

Section 14. Transport information

Transport hazard class(es)	TIBC Reagent 1	-
	TIBC Reagent 2	-
Packing group	TIBC Reagent 1	-
	TIBC Reagent 2	-
Environmental hazards	TIBC Reagent 1	No.
	TIBC Reagent 2	No.
Additional information	TIBC Reagent 1	-
	TIBC Reagent 2	-

IMDG

UN number	TIBC Reagent 1	Not regulated.
	TIBC Reagent 2	Not regulated.
UN proper shipping name	TIBC Reagent 1	-
	TIBC Reagent 2	-
Transport hazard class(es)	TIBC Reagent 1	-
	TIBC Reagent 2	-
Packing group	TIBC Reagent 1	-
	TIBC Reagent 2	-
Environmental hazards	TIBC Reagent 1	No.
	TIBC Reagent 2	No.
Additional information	TIBC Reagent 1	-
	TIBC Reagent 2	-

IATA

UN number	TIBC Reagent 1	Not regulated.
	TIBC Reagent 2	Not regulated.
UN proper shipping name	TIBC Reagent 1	-
	TIBC Reagent 2	-
Transport hazard class(es)	TIBC Reagent 1	-
	TIBC Reagent 2	-
Packing group	TIBC Reagent 1	-
	TIBC Reagent 2	-
Environmental hazards	TIBC Reagent 1	No.
	TIBC Reagent 2	No.
Additional information		

Special precautions for user : TIBC Reagent 1

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

TIBC Reagent 2

Transport within user's premises: always transport in closed containers that

Section 14. Transport information

are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) PAIR**: 1,1'-oxydipropan-2-ol

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 311: Iron chloride (FeCl3), hexahydrate

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : SKIN SENSITIZATION - Category 1

Composition/information on ingredients

Name	%	Classification
TIBC Reagent 1 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	<0.06	ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 2 ACUTE TOXICITY (inhalation) - Category 2 SKIN CORROSION - Category 1C SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1
TIBC Reagent 2 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	<0.06	ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 2 ACUTE TOXICITY (inhalation) - Category 2 SKIN CORROSION - Category 1C SERIOUS EYE DAMAGE - Category 1 SKIN SENSITIZATION - Category 1

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : None of the components are listed.

California Prop. 65

Section 15. Regulatory information

This product does not require a Safe Harbor warning under California Prop. 65.

International regulations

Chemical Weapons Convention List Schedule I Chemicals	:	TIBC Reagent 1 TIBC Reagent 2	Not listed Not listed
Chemical Weapons Convention List Schedule II Chemicals	:	TIBC Reagent 1 TIBC Reagent 2	Not listed Not listed
Chemical Weapons Convention List Schedule III Chemicals	:	TIBC Reagent 1 TIBC Reagent 2	Not listed Not listed

Section 16. Other information

History

Date of issue/Date of revision : 1/5/2022

Version : 1.06

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Indicates information that has changed from previously issued version.