

SAFETY DATA SHEET

United States

Section 1. Identification Product name

Fixative; part of 'Cell Proliferation Biotrak™ ELISA, 10 x 96 wells'

Catalogue Number

Other means of identification Not available. Liquid.

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

RPN250

Identified uses

Product type

Use in laboratories

Industrial applications: Analytical chemistry. Research.

Supplier

Cytiva Amersham Place Little Chalfont Buckinghamshire HP7 9NA United Kingdom +44 0800 515 313

Cytiva USA 100 Results Way Marlborough, MA 01752 1-800-526-3593

In case of emergency	ChemTrec US (available 24/7) 1-800-424-9300
Section 2. Hazards identification	
OSHA/HCS status	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION - Category 1
	Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 70%
<u>GHS label elements</u> Hazard pictograms	

Signal word Hazard statements Danger Highly flammable liquid and vapor. Causes severe skin burns and eye damage.

Precautionary statements

Prevention

Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosionproof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Wash hands thoroughly after handling.

25006444-2

Page: 1/9 Validation date 4 October 2019

Fixative; part of 'Cell Proliferation Biotrak™ ELISA, 10 x 96 wells'

Response	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.		
Storage	Store locked up. Store in a well-ventilated	place. Keep cool.	
Disposal	Dispose of contents and container in accorregulations.	dance with all local, regi	onal, national and international
Hazards not otherwise classified	None known.		
Section 3. Composition/	information on ingredients		
Substance/mixture	Mixture		
Other means of identification	Not available.		
CAS number/other identifiers			
CAS number	Not applicable.		
Ingredient name		%	CAS number
ethanol		70	64-17-5

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	Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.
Inhalation	Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. 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	Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of 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. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. 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/effe	cts, acute and delayed
Potential acute health effects	

Eye contact Inhalation	Causes serious eye damage. No known significant effects or critical hazards.
Skin contact Ingestion	Causes severe burns. No known significant effects or critical hazards.
Over-exposure signs/symptoms	-
Eye contact	Adverse symptoms may include the following: pain watering redness
Inhalation	No specific data.

Article Number :

25006444-2

Page: 2/9 Validation date 4 October 2019

Skin contact	Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	Adverse symptoms may include the following: stomach pains
Indication of immediate medic	cal 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. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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.
See toxicological information	(Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	Do not use water jet.
Specific hazards arising from the chemical	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide
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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
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. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe 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. Use spark-proof tools and explosion- proof equipment. 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. Use spark-proof tools and explosion- proof equipment. 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.	



Page: 3/9 Validation date 4 October 2019

•	•
Precautions for safe handling	
Protective measures	Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Keep away from acids. 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 between the following temperatures: 2 to 8°C (35.6 to 46.4°F). Store in accordance with local regulations. Store in a segregated and approved area. 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. Store locked up. Eliminate all ignition sources. Separate from acids. Separate from oxidizing materials. 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.

•	· · ·
Control parameters	
Occupational exposure limits ethanol	-
Appropriate engineering controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
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. 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: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
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.
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.



Page: 4/9 Validation date 4 October 2019

Section 9. Physical and chemical properties

<u>Appearance</u>	
Physical state	Liquid.
Color	Colorless.
Odor	Alcohol-like.
Odor threshold	Not available.
рН	13 [Conc. (% w/w): 100%]
Melting point	Not available.
Boiling point	72°C (161.6°F)
Flash point	Closed cup: 17 to 23°C (62.6 to 73.4°F)
Burning time	Not applicable.
Burning rate	Not applicable.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Lower and upper explosive (flammable) limits	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility	Easily soluble in the following materials: cold water and hot water.
Solubility in water	Not available.
Partition coefficient: n-octanol/	Not available.
water	
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
SADT	Not available.
Viscosity	Not available.
Flow time (ISO 2431)	Not available.
Aerosol product	

Section 10. Stability and reactivity

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Incompatible materials	Reactive or incompatible with the following materials: acids oxidizing materials
Hazardous decomposition products	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 ethanol	Result LC50 Inhalation Vapor	Species Rat	Dose 124700 mg/m³	Exposure 4 hours
Irritation/Corrosion Not available.				
Sensitization Not available.				
Mutagenicity Not available.				
Carcinogenicity Not available.				
Reproductive toxicity Not available.				

Article Number :

25006444-2

Teratogenicity

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 Routes of entry anticipated: Oral, Dermal, Inhalation. of exposure

Potential acute health effects Eye contact Causes serious eye damage. Inhalation No known significant effects or critical hazards. Skin contact Causes severe burns. Ingestion No known significant effects or critical hazards. Symptoms related to the physical, chemical and toxicological characteristics Eve contact Adverse symptoms may include the following: pain watering redness Inhalation No specific data. Skin contact Adverse symptoms may include the following: pain or irritation redness blistering may occur Ingestion Adverse symptoms may include the following: stomach pains Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure Potential immediate effects Not available. Potential delayed effects Not available. Long term exposure

Potential immediate effectsNot available.Potential delayed effectsNot available.Potential chronic health effectsNot available.Not available.Not available.

GeneralNo known significant effects or critical hazards.CarcinogenicityNo known significant effects or critical hazards.MutagenicityNo known significant effects or critical hazards.TeratogenicityNo known significant effects or critical hazards.Developmental effectsNo known significant effects or critical hazards.Fertility effectsNo known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates					
Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
ethanol	7000	N/A	N/A	124.7	N/A



Section 12. Ecological information

<u>Toxicity</u>					
Product/ingredient name	Result		Species		Exposure
ethanol	Acute EC50 17.921 mg/l Marine water		Algae - Ulva pertusa		96 hours
	Acute LC50 25500	µg/I Marine water	Crustaceans - Artemia Larvae	franciscana -	48 hours
	Acute LC50 5680 r		Daphnia - Daphnia mag		48 hours
	Acute LC50 42000		Fish - Oncorhynchus m Algae - Ulva pertusa	ykiss	4 days 96 hours
	Chronic NOEC 4.9	95 mg/l Marine water) ul/L Fresh water	Daphnia - Daphnia mag	gna - Neonate	
Persistence and degradability				-	·
Product/ingredient name	Test	Result	Dose	Inocu	ılum
ethanol	-	100 % - Readily - 20 da	ys -	-	
Product/ingredient name	Aquatic half-life	Photolys	is	Biodegradabil	ity
ethanol	-	-		Readily	
Bioaccumulative potential					
Product/ingredient name	LogPow	BCF		Potential	
ethanol	-0.35	0.66		low	
<u>Mobility in soil</u>					
Soil/water partition coefficient (K oc)	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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification
UN number	UN2924	UN2924	UN2924
UN proper shipping name	Flammable liquid, corrosive, n. o.s. (ethanol, solution)	Flammable liquid, corrosive, n. o.s. (ethanol, solution)	Flammable liquid, corrosive, n. o.s. (ethanol, solution)
Transport hazard class(es)	3 (8)	3 (8)	3 (8)
Packing group	II	Ш	П
Environmental hazards	No.	No.	No.
Additional information	-	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3), 2.40-2.42 (Class 8).	-



UN number		ADR/RID	IMDG	IATA	
	UN2924		UN2924	UN2924	
IN proper shipping nar		liquid, corrosive, n.	Flammable liquid, corrosive, n.	Flammable liquid, corrosive, i	
ransport hazard class	,	ol, solution)	o.s. (ethanol, solution) 3 (8)	o.s. (ethanol, solution) 3 (8)	
		1			
Packing group	II		П	П	
Invironmental hazards			No.	No.	
dditional information	<u>Tunnel co</u>	<u>le</u> (D/E)	-	-	
pecial precautions for	secure. Er spillage.	sure that persons tra	ses: always transport in closed cornsporting the product know what to		
ransport in bulk accor Annex II of MARPOL an BC Code		ole.			
	Proper shipping na	me	Not available.		
	Ship type		Not available.		
	Pollution category		Not available.		
Section 15. Regu	latory informatio	n			
J.S. Federal regulation) CDR Exempt/Partia ter Act (CWA) 311: Si	Il exemption: Not determined odium hydroxide		
Clean Air Act Section 1 HAPs)	12(b) Hazardous Air	Pollutants	Not listed		
Clean Air Act Section 6			Not listed		
Clean Air Act Section 6			Not listed		
DEA List I Chemicals (F DEA List II Chemicals (I			Not listed Not listed		
ARA 302/304		'			
Composition/informat	ion on ingradiants				
No products were found					
·					
SARA 304 RQ	Not applic	adie.			
SARA 311/312 Classification		BLE LIQUIDS - Category			
Composition/informat	-				
Name ethanol	% ≥50 -		sification 1MABLE LIQUIDS - Category 2		
	200 -	≤ro FLAN	INVIABLE LIQUIDS - Category 2		
State regulations	The follow	•	isted: ETHYL ALCOHOL; DENATU	RED ALCOHOL	
Massachusetts		e components are list	ted.		
Massachusetts New York		•	The following components are listed: ETHYL ALCOHOL; ALCOHOL		
Massachusetts New York New Jersey	The follow	ing components are li			
Massachusetts New York New Jersey Pennsylvania	The follow	ing components are li	isted: ETHYL ALCOHOL; ALCOHO isted: DENATURED ALCOHOL; ET		
Massachusetts New York New Jersey Pennsylvania California Prop. 65	The follow The follow	ing components are li ing components are li	isted: DENATURED ALCOHOL; ET		
Massachusetts New York New Jersey Pennsylvania California Prop. 65 This product does	The follow The follow not require a Safe Ha	ing components are li ing components are li	isted: DENATURED ALCOHOL; ET		
Massachusetts New York New Jersey Pennsylvania California Prop. 65 This product does	The follow The follow not require a Safe Ha <u>Is</u>	ing components are li ing components are li rbor warning under C	isted: DENATURED ALCOHOL; ET alifornia Prop. 65.		
Massachusetts New York New Jersey Pennsylvania California Prop. 65 This product does nternational regulation Chemical Weapon Co	The follow The follow not require a Safe Ha <u>Is</u>	ing components are li ing components are li rbor warning under C	isted: DENATURED ALCOHOL; ET alifornia Prop. 65.		
Massachusetts New York New Jersey Pennsylvania California Prop. 65 This product does nternational regulation Chemical Weapon Con Not listed.	The follow The follow not require a Safe Ha <u>Is</u>	ing components are li ing components are li rbor warning under C	isted: DENATURED ALCOHOL; ET alifornia Prop. 65.		
Massachusetts New York New Jersey Pennsylvania California Prop. 65 This product does nternational regulation Chemical Weapon Co	The follow The follow not require a Safe Ha <u>Is</u>	ing components are li ing components are li rbor warning under C	isted: DENATURED ALCOHOL; ET alifornia Prop. 65.		
Massachusetts New York New Jersey Pennsylvania California Prop. 65 This product does nternational regulation Chemical Weapon Con Not listed.	The follow The follow not require a Safe Ha <u>Is</u>	ing components are li ing components are li rbor warning under C	isted: DENATURED ALCOHOL; ET alifornia Prop. 65.		
New York New Jersey Pennsylvania California Prop. 65 This product does International regulation Chemical Weapon Co Not listed. Montreal Protocol	The follow The follow not require a Safe Ha <u>IS</u> nvention List Schedu	ing components are li ing components are li rbor warning under C <u>iles I, II & III Chemic</u>	isted: DENATURED ALCOHOL; ET alifornia Prop. 65.		

Article Number :

25006444-2

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

Not listed.

Inventory list

United States	All components are listed or exempted.
Europe	All components are listed or exempted.
Canada inventory	All components are listed or exempted.

Section 16. Other information

National Fire Protection Association (U.S.A.)



Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification		Justification		
FLAMMABLE LIQUIDS - Category 2 SKIN CORROSION - Category 1		On basis of test data On basis of test data		
<u>History</u>				
Date of printing	5/7/2020			
Date of issue/Date of revision	10/4/2019			
Date of previous issue	4/26/2017			
Version	9			
	sds_author@cytiva.com			
Key to abbreviations	IATA = International Air Transpor IBC = International Air Transpor IMDG = International Maritime Da LogPow = logarithm of the octand MARPOL = International Convent by the Protocol of 1978. ("Marpol" N/A = Not available UN = United Nations	r Ingerous Goods I/water partition coefficient ion for the Prevention of Pollution From Ships, 1973 as modified		
References	Not available.			
🔽 la dia sta stinfa una s	tion that has also and from a second the second start in the second second second second second second second s			

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

