



Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by UK
REACH Regulation SI 2019/758

SAFETY DATA SHEET

DEQUEST® 2016D

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : DEQUEST® 2016D
EC number : Not available.

CAS number : 3794-83-0
Product code : 1009786, 1007965, 1006103, 1004570, 1004451, 1004416
Product description : Organic salt.
Product type : solid
Other means of identification : DEQUEST® 2016D

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

Identified uses
Manufacture of substance Formulation and (re)packing of substances and mixtures Antiscalant Use in cleaning agents Laundry and dish-washing products Cosmetics, personal care products Metal working fluids(MWFs) Use in oil and gas field drilling and production operations Coatings and paints, thinners, paint removers Coatings Bleaching agent for paper pulp. Bleaching agent. Inhibitors, other Use in agrochemicals Manufacture of ceramics and glass.

Uses advised against
 Not applicable.

1.3 Details of the supplier of the safety data sheet

Italmatch Chemicals Spa

Via E. Vismara 114,
 Arese
 Italy
 MI-20044
 +39.02.93525.1 /

Monday - Friday (9.00 - 17.00) /

Italmatch Chemicals GB Ltd.
Ashburton Road West, Trafford Park,
Manchester,
United Kingdom.
M17 1SX
+44 (0) 161 869 6523
Monday - Friday (8:00am – 4:00pm)

e-mail address of person responsible for this SDS : msds@italmatch.com

National contact

Not available.

1.4 Emergency telephone number

National advisory body/Poison Center

Telephone number : Members of Public in England, Scotland and Wales can contact NHS 111/NHS 24 by dialling 111. In Northern Ireland contact your local GP.
CHEMTREC (for chemical emergency or accident, 24/7):
Emergency telephone number National contact +(44)-870-8200418
International Emergency Telephone number: +1-703-527-3887
(collect call)

Supplier

Telephone number : +39.02.93525.1 /+44 (0) 161 869 6523
Hours of operation : Monday - Friday (9.00 - 17.00) /Monday - Friday (8:00am – 4:00pm)
Information limitations : Safety Data Sheet

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mono-constituent substance

Classification according to UK CLP/GHS

Version: 3.0

Date of issue/Date of revision: 14.07.2023

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Acute Tox. 4, H302
Eye Irrit. 2, H319

The product is classified as hazardous according to UK CLP Regulation SI 2019/720 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms	:	
Signal word	:	Warning
Hazard statements	:	Harmful if swallowed. Causes serious eye irritation.

Precautionary statements

General	:	Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.
Prevention	:	Wear eye or face protection. Avoid breathing dust. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
Response	:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	:	Not applicable.
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	:	Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	:	Yes, applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

Annex XIII

Other hazards which do not result in classification : May form combustible dust concentrations in air.

SECTION 3: Composition/information on ingredients

3.1 Substances : Mono-constituent substance

Product/ingredient name	Identifiers	%	Classification	Type
tetrasodium (1-hydroxyethylidene)bisphosphate	EC : 223-267-7 CAS : 3794-83-0	81 - 88	Acute Tox. 4, H302 Eye Irrit. 2, H319	[1]

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard

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

SECTION 4: First aid measures

4.1 Description of first aid measures

- Eye contact** : 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.
- Inhalation** : 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** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Wash out mouth with water. Remove dentures if any. 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 necessary, call a poison center or 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.
- 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.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following: pain or irritation, watering, redness
- Inhalation** : Adverse symptoms may include the following: respiratory tract irritation, coughing
- Skin contact** : No specific data.
- Ingestion** : No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO₂, water spray (fog) or foam.
- Unsuitable extinguishing media** : None known.

5.2 Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : Avoid dust generation. Take precautionary measures against static discharge. Product as-supplied: not considered to be a product presenting a risk of explosion. Possibility of explosion exists under dusty conditions (St 1).
- Hazardous combustion products** : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, phosphorus oxides, Phosphine

5.3 Advice for firefighters

- 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

6.1 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. Avoid breathing dust. 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".

- 6.2 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).

6.3 Methods and materials for containment and cleaning up

- Small spill** : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : 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. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. 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.

7.2 Conditions for safe storage, including any incompatibilities

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. Eliminate all ignition sources. 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.

7.3 Specific end use(s)

- Recommendations** : Not applicable.
- Industrial sector specific solutions** : Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

Product/ingredient name	Type	Compartment Detail	Value	Method Detail
tetrasodium (1-hydroxyethylidene)bisphosphate	PNEC	Fresh water	0.136 mg/l	Equilibrium Partitioning
	PNEC	Secondary Poisoning	12 mg/kg	Assessment Factors
	PNEC	Sewage Treatment Plant	20 mg/l	Equilibrium Partitioning
	PNEC	Soil	96 mg/kg wwt	Equilibrium Partitioning
	PNEC	Marine	5.9 mg/kg wwt	Assessment Factors
	PNEC	Fresh water	59 mg/kg wwt	Assessment Factors
	PNEC	Marine	0.0136 mg/l	Equilibrium Partitioning

8.2 Exposure controls

Appropriate engineering controls : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, 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.

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. If operating conditions cause high dust concentrations to be produced, use dust goggles.

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.
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.
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.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state	:	solid [Powder.]
Color	:	White.
Odor	:	Odorless.
Odor threshold	:	Not applicable.
Melting point/freezing point	:	> 100 °C (> 212 °F)

Initial boiling point and boiling range	:	Not available.
Flammability	:	Not available.
Upper/lower flammability or explosive limits	:	Lower: Not available. Upper: Not applicable.
Flash point	:	Not applicable.
Auto-ignition temperature	:	Not applicable.
Decomposition temperature	:	Not available.
pH	:	11 - 12 [Conc. (% w/w): 10 g/l]
Viscosity	:	Dynamic : Not applicable. Kinematic : Not applicable.
Solubility(ies)	:	Soluble in the following materials: water
Solubility in water	:	Not available.
Partition coefficient: n-octanol/water	:	Not applicable.
Vapor pressure	:	Not applicable.
Relative density	:	Not applicable.
Vapor density	:	Not applicable.
Explosive properties	:	Avoid creating dusty conditions and prevent wind dispersal.
Oxidizing properties	:	Not applicable.

Particle characteristics

Median particle size : Not available.

9.2 Other information

Burning time : Not applicable.

Combustible dust

Minimum ignition energy (mJ) : 400 - 500 mJ

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

SECTION 10: Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : The product is stable.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- 10.4 Conditions to avoid** : Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.
- 10.5 Incompatible materials** : Reactive or incompatible with the following materials: oxidizing materials, acids, metals
- 10.6 Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
tetrasodium (1-hydroxyethylidene)bisphosphonate				
	LD50 Oral	Rat	990 mg/kg	-
	LD50 Dermal	Rabbit	> 2,000 mg/kg 402 Acute Dermal Toxicity	-

Conclusion/Summary : Harmful if swallowed.

Acute toxicity estimates

N/A

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
tetrasodium (1-	Skin -	Rabbit	< 1	4 hrs	72 hrs

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

hydroxyethylidene)bisphosphonate	Erythema/Eschar 404 Acute Dermal Irritation/Corrosion				
Remarks:	Non-irritant to skin.				
	Eyes - Severe irritant 405 Acute Eye Irritation/Corrosion	Rabbit	-		72 hrs
Remarks:	Irritating to eyes.				

Conclusion/Summary

- Skin** : Non-irritating to the skin.
- Eyes** : Causes serious eye irritation.
- Respiratory** : No known significant effects or critical hazards.

Sensitization

Conclusion/Summary

- Skin** : No known significant effects or critical hazards.
- Respiratory** : No known significant effects or critical hazards.

Mutagenicity

Product/ingredient name	Test	Experiment	Result
tetrasodium (1-hydroxyethylidene)bisphosphonate	471 Bacterial Reverse Mutation Test	Subject: Bacteria Experiment: In vitro	Negative
	476 In vitro Mammalian Cell Gene Mutation Test	Subject: Mammalian-Animal Experiment: In vitro	Negative

- Conclusion/Summary** : No known significant effects or critical hazards.

Carcinogenicity

- Conclusion/Summary** : No known significant effects or critical hazards.

Reproductive toxicity

- Conclusion/Summary** : No known significant effects or critical hazards.

Teratogenicity

- Conclusion/Summary** : No known significant effects or critical hazards.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.
Inhalation : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
Skin contact : No known significant effects or critical hazards.
Ingestion : Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following: pain or irritation, watering, redness
Inhalation : Adverse symptoms may include the following: respiratory tract irritation, coughing
Skin contact : No specific data.
Ingestion : No specific data.

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

Short term exposure

Potential immediate effects : No known significant effects or critical hazards.
Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.
Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

Product/ingredient name	Result	Species	Dose	Exposure
tetrasodium (1-hydroxyethylidene)bisphosphonate	NOAEL Oral	Rat	19 - 24 mg/kg	-

Conclusion/Summary : No known significant effects or critical hazards.

General : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

Interactive effects : Not applicable.

Toxicokinetics

Absorption : Not applicable

Distribution : Not applicable

Metabolism : Not applicable

Elimination : Not applicable

Other information : Not applicable.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
tetrasodium (1-hydroxyethylidene)bisphosphonate			
	Acute EC50 370 - 380 mg/l Fresh water 202 Daphnia sp. Acute Immobilization Test and Reproduction Test	Water flea	48 h
	Acute IC > 290 mg/l Fresh water	Micro-organism	0.5 h
DEQUEST® 2016D			
	Acute LC50 368 mg/l	Rainbow trout,donaldson trout	96 h
	Acute LC50 180 mg/l	Rainbow trout,donaldson trout	14 d
	Acute EC50 527 mg/l Fresh water	Water flea	48 h

Conclusion/Summary : No known significant effects or critical hazards.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
tetrasodium (1-hydroxyethylidene)bisphosphonate	304A Inherent Biodegradability in Soil	0.4 - 4.8 % - Not readily biodegradable. - 79 d	-	Activated sludge
	301E Ready Biodegradability - Modified OECD Screening Test	1.6 % - Not readily biodegradable. - 79 d	-	Activated sludge
DEQUEST® 2016D	302B Inherent Biodegradability: Zahn-Wellens/EMPA	33 % - 30 d	-	-

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

	Test			
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Conclusion/Summary : Not readily biodegradable.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
tetrasodium (1-hydroxyethylidene)bisphosphonate			
	-	17 d (7 %)	Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
tetrasodium (1-hydroxyethylidene)bisphosphonate	-3	71.00 17.9 305 Bioconcentration: Flow-through Fish Test	low
DEQUEST® 2016D	-	35	low

12.4 Mobility in soil

Soil/water partition coefficient (KOC) : Not available.

Mobility : Not applicable.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

- Methods of disposal** : 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.
- Hazardous waste** : The classification of the product may meet the criteria for a hazardous waste.

Packaging

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

- Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Special precautions** : 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

	ADR/RID	ADN	IMDG	IATA
14.1 UN number				
14.2 UN proper shipping name	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.3 Transport hazard class(es)	-	-		
14.4 Packing group				
14.5. Environmental hazards	No.	No.	No.	No.

- 14.6 Special precautions for user** : Not applicable.
- 14.7 Transport in bulk according to IMO instruments** **Proper shipping name** : Not applicable

SECTION 15: Regulatory information

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

UK (GB) /REACH

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Ozone depleting substances

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

None of the components are listed.

Prior Informed Consent (PIC)

None of the components are listed.

Persistent Organic Pollutants

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles : Not applicable.

Seveso Directive

This product is not controlled under the Seveso Directive.

National regulations

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Chemical Weapons Convention List Schedule I Chemicals

None of the components are listed.

Chemical Weapons Convention List Schedule II Chemicals

None of the components are listed.

Chemical Weapons Convention List Schedule III Chemicals

None of the components are listed.

Montreal Protocol

None of the components are listed.

Stockholm Convention on Persistent Organic Pollutants

Annex A - Elimination - Production

None of the components are listed.

Annex A - Elimination - Use

None of the components are listed.

Annex B - Restriction - Production

None of the components are listed.

Annex B - Restriction - Use

None of the components are listed.

Annex C - Unintentional - Production

None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Rotterdam Convention on Prior Informed Consent (PIC) - Industrial

None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC) - Pesticide

None of the components are listed.

Rotterdam Convention on Prior Informed Consent (PIC) - Severely hazardous pesticide

None of the components are listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Heavy metals - Annex 1

None of the components are listed.

POPs - Annex 1 - Production

None of the components are listed.

POPs - Annex 1 - Use

None of the components are listed.

POPs - Annex 2

None of the components are listed.

POPs - Annex 3

None of the components are listed.

Inventory list

Australia	:	All components are listed or exempted.
Canada	:	All components are listed or exempted.
China	:	All components are listed or exempted.
Eurasian Economic Union	:	Russian Federation inventory: Please contact your supplier for information on the inventory status of this material.
Japan	:	Japan inventory (CSCL): All components are listed or exempted. Japan inventory (ISHL): All components are listed or exempted.
New Zealand	:	All components are listed or exempted.
Philippines	:	All components are listed or exempted.
Republic of Korea	:	Please contact your supplier for information on the inventory status of this material.
Taiwan	:	Please contact your supplier for information on the inventory status of this material.
Thailand	:	All components are listed or exempted.
Turkey	:	Please contact your supplier for information on the inventory status

Version: 3.0

Date of issue/Date of revision: 14.07.2023

Date of previous issue: 09/24/2021

of this material.
United States : All components are listed or exempted.
Viet Nam : All components are listed or exempted.

15.2 Chemical Safety Assessment : Complete.

SECTION 16: Other information

Abbreviations and acronyms :

- ATE = Acute Toxicity Estimate
- GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = GB CLP-specific Hazard statement
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- SGG = Segregation Group
- vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification

Classification	Justification
Acute Tox. 4, H302	Expert judgment
Eye Irrit. 2, H319	Expert judgment

Full text of abbreviated H statements

H302	Harmful if swallowed.
H319	Causes serious eye irritation.

Full text of classifications

Acute Tox. 4	ACUTE TOXICITY - Category 4
Eye Irrit. 2	SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2

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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

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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.

Annex to the extended Safety Data Sheet (eSDS)

Identification of the substance or mixture

Product definition	: Mono-constituent substance
Code	: 1009786, 1007965, 1006103, 1004570, 1004451, 1004416
Product name	: DEQUEST® 2016D