



SAFETY DATA SHEET

HERBIDUR QUARTZ

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

1.1. Product identifier Product

name : HERBIDUR QUARTZ

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

Use of the Product : Water-based paint for exteriors.

1.3. Information on the supplier of the safety data sheet

Registered office:
Akzo Nobel Coatings SpA Via
C. Goldoni, 38/40
20090 Trezzano sul Naviglio
(MI) Italy

Administrative headquarters
Akzo Nobel Coatings SpA Via
G. Pascoli, 11
28040 Dormelletto
Tel. : +39 0322 401611
Fax : +39 0322 401607
www.herbol.it

E-mail address of the Responsible person of the safety data sheet : service.clienti@akzonobel.com

1.4 Emergency telephone number

Telephone number : +39-0322-401611 (active 24/7)

Version : 7

Date of issue : No previous validation.
previous one

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Product definition: Blend

Classification according to EC Regulation No. 1272/2008 [CLP / GHS]

Aquatic Chronic 3, H412

Ingredients of unknown toxicity : 0%

Ingredients of unknown ecotoxicity : 0%

Classification according to Directive 1999/45 / EC [DPD]

This product is classified as dangerous according to Directive 1999/45 / EC and its amendments.

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SECTION 2: Hazards identification

Classification : R52 / 53

Dangers for the environment : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See section 16 for the full text of the R-phrases or H-statements mentioned above. For more detailed information on health effects and symptoms, see Section 11.

2.2. Label elements Hazard

pictograms Warning :

: No warnings.

Hazard statements : H412 - Harmful to aquatic life with long lasting effects.

Precautionary advice

General

: P102 - Keep out of reach of children.
P101 - If a doctor is consulted, have the product container or label available.

Prevention

: P262 - Avoid contact with eyes, skin or clothing.

Reaction

: P312 - If you feel unwell, call a POISON CENTER or doctor. Not applicable.

storage

:

Disposal

: P501 - Dispose of product and container in accordance with local, regional, national, international regulations.

Dangerous ingredients

: Naphtha (petroleum), hydrotreated heavy

Additional elements of the label

: Contains 2-octyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3 (2H) -one and mixture of 5-chloro-2-methyl-2H-isothiazol-3-one [EC no 247-500- 7] and 2-methyl-2H-isothiazol-3-one [EC no 220-239-6] (3: 1). It can cause an allergic reaction. Repeated exposure may cause skin dryness or cracking.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain substances, preparations and articles

: Not applicable.

dangerous

Special Packaging Obligations

Containers that must be equipped with a child safety lock

: Not applicable.

Tactile warning of danger

: Not applicable.

2.3. Other dangers

Other dangers not mentioned in the classification

: None known.

SECTION 3: Composition / information on ingredients

Substance / mixture :Blend

Product name/ ingredient	Identifiers	% for Weight	<u>Classification</u>		Guy
			67/548 / EEC	Regulation (EC) n. 1272/2008 [CLP]	
naphtha (petroleum), heavy fraction of "hydrotreating"	CE: 265-150-3 CAS number: 64742-48-9 Index: 3.1: 649-327-00-6 3.2: 649-327-00-5	<10	Xn; R65 R66	Asp. Tox. 1, H304	[1] [2]
diuron (ISO)	CE: 206-354-4 CAS number: 330-54-1	0.025 - <0.1	Carc. Cat. 3; R40 Xn; R22, R48 / 22	Acute Tox. 4, H302 Carc. 2, H351	[1]

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SECTION 3: Composition / information on ingredients

	Index: 006-015-00-9		N; R50 / 53	STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
zinc pyrithione	CE: 236-671-3 CAS number: 13463-41-7	<0.1	T; R23 Xn; R22 Xi; R41 N; R50	Acute Tox. 4, H302 Acute Tox. 3, H331 Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302 Acute Tox. 3, H311	[1]
2-octyl-2H- isothiazol-3-one	CE: 247-761-7 CAS number: 26530-20-1 Index: 613-112-00-5	<0.025	T; R23 / 24 Xn; R22 C; R34 R43 N; R50 / 53	Acute Tox. 3, H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Acute Tox. 3, H301	[1]
2-methyl-2H- isothiazol-3-one	CE: 220-239-6 CAS number: 2682-20-4 Index: 3.1: self classification 3.2: selfclassified	<0.1	T; R23 / 24/25 C; R34 Xi; R37 R43 N; R50 Consult the section 16 for the full text of the R phrases above reported.	Acute Tox. 3, H311 Acute Tox. 4, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 1, H400 See section 16 for the full text of the danger mentioned above.	[1]

There are no additional ingredients which, in the current knowledge of the supplier and in the applicable concentrations, are classified as harmful to health or the environment, meet the PBT or vPvB criteria, or which have been assigned an occupational exposure limit and which must therefore be reported in this section.

Guy

[1] Substance presenting a health or environmental hazard

[2] Substance for which there are workplace exposure limits

[3] Substance meets the criteria for PBT classification according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if known, are listed in section 8.

SECTION 4: First aid measures

4.1. Description of first aid measures General

- : If in doubt or if symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If the victim is unconscious, have him assume the safety position and call the doctor.

Eye contact

- : Check for contact lenses and if so, remove them. IMMEDIATELY flush eyes with running water for at least 15 minutes, holding eyelids apart. Consult a physician immediately.

Inhalation

- : Bring to fresh air. Keep the person warm and at rest. In case of lack of breathing, irregular breathing or respiratory arrest, give artificial respiration or have oxygen administered by trained personnel.

Skin contact

- : Remove contaminated clothing and shoes. Wash thoroughly with soap and water or use an effective skin cleanser. DO NOT use solvents or thinners.

Ingestion

- : If swallowed, seek medical advice immediately and show the container or label. Keep the person warm and at rest. DO NOT induce vomiting.

SECTION 4: First aid measures

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.
Performing mouth-to-mouth resuscitation can be dangerous for the person helping.

4.2. Most important symptoms and effects, both acute and delayed

There are no data available on the mixture itself. The preparation was evaluated in accordance with the conventional method of the Dangerous Preparations Directive 1999/45 / EC and classified accordingly for its toxicological properties. For more details, see Sections 2 and 3.

Exposure to solvent vapor concentrations above the pre-established occupational limit can be harmful to health, causing irritation of the mucous membranes and respiratory tract with adverse effects on the kidneys, liver and central nervous system. Symptoms include headaches, dizziness and dizziness, fatigue, muscle weakness, drowsiness, and in extreme cases, loss of consciousness.

Solvents may cause some of the aforementioned effects via skin absorption. Repeated or prolonged contact with the mixture can result in the removal of natural skin fat, resulting in non-allergic contact dermatitis and absorption through the skin.

Contact of the liquid with the eyes can cause irritation and reversible damage.

Ingestion can cause nausea, diarrhea and vomiting.

If known, the delayed and immediate effects, as well as the chronic effects of the components deriving from short and long-term exposure, by the oral and dermal route, by inhalation and by contact with the eyes, are taken into account.

4.3. Indication of any immediate medical attention or special treatment needed

Notes to the physician : Treat symptomatically. If large quantities are ingested or inhaled, contact a poison control center immediately.

Specific treatments : No specific treatment.

See Section 11 for Toxicological Information (Section 11)

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Recommended: alcohol resistant foam, CO₂, powders, water spray.

Unsuitable extinguishing media : Do not use full jet water.

5.2. Special hazards arising from the substance or mixture

Hazards arising from the substance or mixture : Any fires develop thick black smoke. Exposure to decomposition products can be dangerous to health.

Dangerous products from thermal decomposition : Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, nitrogen oxides.

5.3. Recommendations for firefighters

Special actions of protection for firefighters : Cool closed containers exposed to flames with water. Do not channel the products of a fire into drains or water courses.

Special protective equipment for personnel fire fighting : The use of a self-contained breathing apparatus may be required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- For those who do not intervene directly** : Remove any sources of ignition and ventilate the room. Avoid breathing vapors or mists. Consult the protective measures listed in sections 7 and 8.
- For those who intervene directly** : 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 service operators".

6.2. Environmental precautions:

Do not dispose of the product in the sewer system and water courses. In case of contamination by the product of lakes, rivers or waste water, inform the competent authorities in accordance with current legislation.

6.3. Methods and materials for: containment and for

quenching and tempering

Contain and collect any spills with non-combustible absorbent material, such as sand, earth, vermiculite, diatomite and dispose of the product in a container in accordance with current legislation (see Section 13). Clean, preferably using a detergent. Avoid using solvents.

6.4. References to other sections

- : For emergency telephone numbers, see Section 1.
See Section 8 for information on appropriate personal protective equipment.

For more information on waste treatment, refer to Section 13.

SECTION 7: Handling and storage

The information contained in this section contains general information and warnings.

7.1. Precautions for the safe handling

- : Prevent the development in the air of flammable or explosive vapor concentrations or that exceed the occupational exposure limits.
Also, use the product only in rooms from which all naked flame lamps and other sources of ignition have been removed. Protect electrical equipment according to appropriate standards.
The mixture can become electrostatically charged: always use ground connections when transferring it from one container to another.
Operators must wear antistatic shoes and clothing, while floors must be conductive.
Keep away from sources of heat, sparks and flames. Do not use any tools that cause sparks.
Avoid contact with eyes and skin. Avoid inhalation of dust, particulates, aerosols or mists deriving from the application of this mixture. Avoid inhalation of dust deriving from sandblasting.
It is forbidden to eat, drink and smoke in areas where the material is handled, stored or treated.
Put on appropriate personal protective equipment (see Section 8).
Never empty the product by subjecting it to pressure. The container is not pressurized.
Always keep the material in the original container.
Observe the provisions of the laws relating to health and safety in the workplace.

Do not dispose of the product in the sewer system and water

courses. **Information on fire and explosion protection**

Vapors are heavier than air and can spread over floors. Vapors can form explosive mixtures with air.

7.2. Conditions for safe storage, including any

incompatibility

- : Arrange for storage in compliance with current legislation. **Notes on shared storage**
Keep away from: oxidizing agents, strong alkalis, strong acids. **Additional information on storage conditions**
Observe the precautions on the label. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. Smoking prohibited. Access prohibited to outsiders. Open containers must be carefully resealed and kept straight to prevent accidental product spillage.

SECTION 7: Handling and storage

7.3 Specific end uses

Warnings : Unavailable.

Specific guidelines for the industrial sector : Unavailable.

SECTION 8: Exposure controls / personal protection

The information contained in this section contains general information and warnings.

8.1. Control parameters

Occupational exposure limits

Name of the product / ingredient	Exposure limit values
Naphtha (petroleum), hydrotreated heavy	EU OEL (Europe). TWA: 1200 mg / m ³ 8 hours. TWA: 197 ppm 8 hours.

Monitoring Procedures: Recommended

If this product contains ingredients with exposure limits, personal, workplace atmosphere and biological monitoring may be required to determine the effectiveness of ventilation or other control measures and / or the need to use protective equipment respiratory. Refer to the monitoring standards, such as the following: European standard EN 689 (Atmosphere in the workplace - Guidance on the assessment of exposure by inhalation to chemical compounds for the purpose of comparison with limit values and measurement strategy) Standard European EN 14042 (Atmospheres in the workplace - Guide to the application and use of procedures for assessing exposure to chemical and biological agents) European standard EN 482 (Atmospheres in

DNEL / DMEL

No DNEL / DMEL available.

PNEC

No PNECs available.

8.2. Exposure controls Appropriate

engineering controls

: Provide adequate ventilation. When reasonably possible, this can be achieved by means of replacement ventilation and good general aspiration. If it is impossible to keep the concentrations of solvent vapors and powders below the occupational exposure limit, wear suitable means of respiratory protection.

Individual protection measures

Hygiene measures

: Before eating, smoking and using the lavatory and at the end of the working period, wash your hands, arms and face thoroughly after handling chemicals. Appropriate techniques should be used to remove potentially contaminated clothing. Wash the contaminated garments before reusing them. Make sure that the eyewash stations and emergency showers are close to the place of use.

Eye / face protection

: Use protective goggles to prevent accidental penetration of liquids into the eyes.

Skin protection

Hand protection

There is no glove material or combination of materials that provides unlimited resistance to any single chemical or combination of chemicals.

The breakthrough time must be greater than the time of use of the product.

Follow the instructions and information provided by the glove manufacturer regarding use, storage, maintenance and replacement.

Gloves must be replaced regularly and whenever there are signs of damage to the material they are made of.

Always ensure that gloves are free from defects and that they are stored and used correctly.

SECTION 8: Exposure controls / personal protection

The performance or effectiveness of the glove can be reduced by physical / chemical damage and poor maintenance. Sunscreen creams can protect exposed areas of the skin, but do not apply them after exposure.

Gloves

- : In case of prolonged or repeated contact use gloves. Sunscreen creams can increase the protective shield on exposed areas of the skin, however they should not be applied once the skin has already been exposed. After contact, wash the skin thoroughly. Use chemical resistant gloves class EN 374; protective gloves for chemicals and micro-organisms.

Recommended gloves: Viton ® or Nitrile
Minimum breakthrough time: 480 min

Recommended gloves are product containing common solvents. When frequent or prolonged contact is expected, the use of class 6 protective gloves is recommended (permeation time greater than 480 minutes according to EN 3740-3). In the case of occasional contact, the use of class 2 protective gloves is recommended (breakthrough time greater than 2 hours according to EN 3740-3)

NB. The choice of gloves must also take into account other specific processes carried out in the workplace, for example the presence of other chemicals, physical risks and possible allergic reactions to the material used for the production of the glove, therefore consult your trusted supplier.

The user must check that the final choice of type of glove for handling this product is the most appropriate and takes into account the particular conditions of use, as specified in the user's risk assessment.

Device of body protection

- : Personnel must wear antistatic clothing made of natural fiber or synthetic fiber resistant to high temperatures.

Other devices of skin protection

- : Choose appropriate footwear and any additional skin protection measures based on the activity being carried out and the inherent risks. Such choices must be approved by a specialist before handling this product.

Respiratory protection

- : If workers are exposed to concentrations above the exposure limit, use appropriate, certified respirators.

Dry sanding, flame cutting and / or welding of painted substrates can cause the formation of dangerous dust and / or fumes. Use wet (sanding) / (sanding) systems where possible. If exposure cannot be avoided through the use of local exhaust systems, wear appropriate respiratory protective equipment.

Environmental exposure controls

- : Do not dispose of the product in the sewer system and water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	: Liquid.
Color	: Unavailable.
Odor	: Unavailable.
Odor threshold	: Unavailable.
pH	: Unavailable.
Melting point / freezing point	: Unavailable.

SECTION 9: Physical and chemical properties

Initial boiling point and boiling range	: Unavailable.
Flash point	: Not applicable.
Evaporation rate	: Unavailable.
Upper / lower flammability or explosive limits	: Unavailable.
Vapor pressure	: Unavailable.
Vapor density	: Unavailable.
Relative density	: 1,549
Solubility (ies) Solubility in water	: Easily soluble in the following materials: cold water. : Unavailable.
Partition coefficient: noctanol / water	: Unavailable.
Temperature of self-ignition	: Unavailable.
Temperature of decomposition	: Unavailable.
Viscosity	: Kinematic (room temperature): 10.33 cm ² / s Not
Explosive properties	: available.
Oxidizing properties	: Unavailable.

9.2. Other information No additional information.

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 under the recommended handling and storage conditions (see section 7).
10.3. Possibility of reactions:	Under normal conditions of storage and use, hazardous reactions will not occur. dangerous
10.4. Conditions to avoid:	If exposed to high temperatures it can produce dangerous decomposition products.
10.5. Incompatible materials:	To avoid strong exothermic reactions, keep away from the following materials: oxidizing agents, strong alkalis, strong acids.
10.6. Products of dangerous decomposition	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

There are no data available on the mixture itself. The preparation was evaluated in accordance with the conventional method of the Dangerous Preparations Directive 1999/45 / EC and classified accordingly for its toxicological properties. For more details, see Sections 2 and 3.

Exposure to solvent vapor concentrations above the pre-established occupational limit can be harmful to health, causing irritation of the mucous membranes and respiratory tract with adverse effects on the kidneys, liver and central nervous system. Symptoms include headaches, dizziness and dizziness, fatigue, muscle weakness, drowsiness, and in extreme cases, loss of consciousness.

Solvents may cause some of the aforementioned effects via skin absorption. Repeated or prolonged contact with the mixture can result in the removal of natural skin fat, resulting in non-allergic contact dermatitis and absorption through the skin.

SECTION 11: Toxicological information

Contact of the liquid with the eyes can cause irritation and reversible damage.

Ingestion can cause nausea, diarrhea and vomiting.

If known, the delayed and immediate effects, as well as the chronic effects of the components deriving from short and long-term exposure, by the oral and dermal route, by inhalation and by contact with the eyes, are taken into account.

Acute toxicity

Conclusion / Summary : Unavailable.

Acute toxicity estimates

Unavailable.

Irritation / Corrosion

Product name/ ingredient	Result	Species	Score	Exposure	Observation
2-octyl-2H-isothiazol-3-one	Eyes - Strongly irritating	Rabbit	-	-	-

Conclusion / Summary : Unavailable.

Awareness raising

Conclusion / Summary : Unavailable.

Mutagenicity

Conclusion / Summary : Unavailable.

Carcinogenicity

Conclusion / Summary : Unavailable.

Reproductive toxicity

Conclusion / Summary : Unavailable.

Teratogenicity

Conclusion / Summary : Unavailable.

Specific target organ toxicity (STOT) - single exposure

Name of the product / ingredient	Category	Via of exposure	Target organs
2-methyl-2H-isothiazol-3-one	Category 3	Not applicable.	Irritation of the pathways respiratory

Specific target organ toxicity (STOT) - repeated exposure

diuron (ISO)
Category 2 Not determined Not determined

Aspiration hazard

Name of the product / ingredient	Result
Naphtha (petroleum), hydrotreated heavy	DANGER IN CASE OF ASPIRATION - Category 1

Other information : Unavailable.

SECTION 12: Ecological information

12.1. Toxicity

There are no data available on the mixture itself.

Do not dispose of the product in the sewer system and water courses.

The preparation was evaluated using the conventional method of the legislative decree 14 March 2003 n. 65 and is consequently classified on the basis of its ecotoxicological properties. See sections 2 and 3 for details.

SECTION 12: Ecological information

Product name/ ingredient	Result	Species	Exposure
diuron (ISO)	Acute EC50 8.6 mg / l Fresh water Chronic NOEC 33.4 µg / l Fresh water	Daphnia - Daphnia magna Pesce - Pimephales promelas - Embryo	48 hours 63 days
2-methyl-2H-isothiazol-3-one	Acute EC50 0.24 mg / l Acute LC50 0.18 mg / l Acute LC50 12.4 mg / l Acute LC50 6 mg / l	Daphnia Fish Fish - Lepomis Macrochirus Fish - Oncorhynchus Mykiss	48 hours 96 hours 96 hours 96 hours

Conclusion / Summary : Unavailable.

12.2. Persistence and degradability

Conclusion / Summary : Unavailable.

12.3. Bioaccumulation potential

Product name/ ingredient	LogP _{ow}	BCF	Potential
diuron (ISO)	-	14.125375446	low

12.4. Mobility in soil

Soil / water partition coefficient (K_{oc}) : Unavailable.

Mobility : Unavailable.

12.5. Results of PBT and vPvB PBT

assessment : Not applicable.
P: Not available. B: Not available. T: Not available. Not
vPvB : applicable.
vP: Not available. vB: Not available. No known

12.6. Other adverse effects : significant effects or critical hazards.

SECTION 13: Disposal considerations

The information contained in this section contains general information and warnings.

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 must always be carried out in accordance with the legal indications on environmental protection and waste disposal and the requirements of each relevant local authority. Dispose of surplus and non-recyclable products through an authorized waste disposal company. Untreated waste should not be disposed of in the sewer system unless it fully complies with the requirements of each entity and legislation.

Hazardous waste : The classification of the product could meet the criteria for hazardous waste.

Observations on the disposal : Do not dispose of the product in the sewer system and water courses. Dispose of in accordance with applicable regional, state and local laws. If this product is mixed with other wastes, the original refused code can no longer be applied and an appropriate code will need to be assigned. For more information, contact the responsible waste disposal agency.

Packing

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Waste packaging must be recycled. Incineration or landfilling should only be considered when recycling is not practicable.

SECTION 13: Disposal considerations

Observations on the disposal

- : Using the information provided in this safety data sheet, contact the appropriate waste disposal authority for guidance on the classification of empty containers.
Empty containers must be discarded or reprocessed. Containers that are not emptied are considered hazardous waste.

Type of packaging CEPE Paint Guidelines	European Waste Catalog 15 01 10 * packaging containing residues of dangerous substances or contaminated by such substances
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Special precautions

- : Do not dispose of the product and the container except with due precautions. Care should be taken when handling emptied containers that have not been cleaned or rinsed. Empty containers or liners can retain product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

ADR		IMDG
14.1. UN number	Not regulated.	Not regulated.
14.2. Name of shipment of the UN	-	-
14.3. Classes of connected danger to transport Class	-	-
Secondary class	-	-
14.4. Group packaging	-	-
14.5. Dangers for the environment Marine pollutant Substances marine pollutants	No.	No. Unavailable.
14.6. Precautions special for users	Transport within the user's property: always carry out transport with closed containers, stored vertically and secured to the means of transport. Verify the suitability of the persons carrying out the transport to intervene effectively in the event of an accident and / or spill.	
Number of identification of danger or number Kemler Schemes of emergency ("EmS")	Unavailable.	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	:Not applicable.	
Information additional	-	-

SECTION 15: Regulatory information

15.1. Standards and legislation on health, safety and environment specific for the substance or mixture EU

Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorization

Substances of Extremely Concern

None of the components are listed.

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

Other EU regulations

VOC for ready-to-use mixtures : Not applicable.

European inventory : At least one component is not listed.

Chemical substances of the list of priorities (793/93 / EEC) : Present

Product name/ ingredient	Carcinogenic effects	Mutagenic Effects	Effects on the development	Effects on fertility
diuron (ISO)	Carc. 2, H351	-	-	-

National standards

Legislative Decree 152/06 :Not classified.

15.2. Chemical safety assessment :Not applicable.

SECTION 16: Other information

CEPE code : 1

Abbreviations and acronyms : ATE = Estimation of Acute Toxicity
CLP = Classification, Labeling and Packaging [Regulation (EC) No. 1272/2008] DNEL = Derived No Effect Level
EUH statement = CLP specific risk provisions PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

Classification according to EC Regulation No. 1272/2008 [CLP / GHS]

Aquatic Chronic 3, H412

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP / GHS]

Classification	Justification
Aquatic Chronic 3, H412	Calculation method

Full texts of the abbreviated hazard statements :

H301	Toxic if ingested.
H302	Harmful if swallowed.
H304	It can be fatal if swallowed and if it enters the respiratory tract.
H311	Toxic in contact with the skin.
H314	It causes serious skin burns and serious eye injuries.
H317	May cause an allergic skin reaction. Causes serious
H318	eye damage.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	It can irritate the respiratory tract.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

SECTION 16: Other information**Full texts of the classifications [CLP / GHS]**

H400	Very toxic to aquatic organisms.
H410	Very toxic to aquatic life with long lasting effects. Harmful to aquatic
H412	life with long lasting effects.
: Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 Acute Tox. 4, H302 Acute Tox. 4, H332 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Aquatic Chronic 3, H412 Asp. Tox. 1, H304	ACUTE TOXICITY: ORAL - Category 3 ACUTE TOXICITY: SKIN - Category 3 ACUTE TOXICITY: INHALATION - Category 3 ACUTE TOXICITY: ORAL - Category 4 ACUTE TOXICITY: INHALATION - Category 4 ACUTE HAZARD - Category 1 CHRONIC HAZARD - Category 1 CHRONIC HAZARD - Category 3 ASPIRATION HAZARD - Category 1 CARCINOGENICITY - Category 2
Carc. 2, H351	
Eye Dam. 1, H318	SERIOUS EYE DAMAGE / EYE IRRITATION - Category 1
Skin Corr. 1B, H314	SKIN CORROSION / IRRITATION - Category 1B
Skin Sens. 1, H317 STOT RE 2, H373	SKIN SENSITIZATION - Category 1 SPECIFIC TOXICITY TO TARGET ORGANS (REPEATED EXPOSURE) - Category 2
STOT SE 3, H335	SPECIFIC TOXICITY TO TARGET ORGANS (SINGLE EXPOSURE) [Irritation of the respiratory tract] - Category 3

Full text of abbreviated R phrases

- : R40- Limited evidence of a carcinogenic effect. R23- Toxic by inhalation.
- R23 / 24- Toxic by inhalation and in contact with skin.
- R23 / 24 / 25- Toxic by inhalation, in contact with skin and if swallowed.
- R22- Harmful if swallowed.
- R48 / 22- Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R65- Harmful: may cause lung damage if swallowed. R34- Causes burns.
- R41- Risk of serious damage to eyes.
- R37- Irritating to respiratory system.
- R43- May cause sensitization by skin contact.
- R66- Repeated exposure may cause skin dryness and cracking. R50- Very toxic to aquatic organisms.
- R50 / 53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R52 / 53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full texts of the classifications [DSD / DPD]

- : Canc. Cat. 3 - Carcinogen category 3 T - Toxic
- C - Corrosive
- Xn - Harmful
- Xi - Irritating
- N - Dangerous for the environment

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Notice to the reader

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SECTION 16: Other information

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