



**NATIVO WG75 54X(10X12GR) BOX PH**

Version 3 / RP  
102000011273

1/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

**Trade name** NATIVO WG75 54X(10X12GR) BOX PH  
**Product code (UVP)** 06418015, 86196042

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

**Use** Fungicide

**1.3 Details of the supplier of the safety data sheet**

**Company** Bayer CropScience, Inc.  
3/F Bayer House  
Canlubang Industrial Estate  
Calamba, Laguna  
Philippines

**Telephone** +63 2 226-4888

**Telefax** +63 2 450-5474

**1.4 Emergency telephone no.**

**Emergency telephone no.** Bayer CropScience, Inc.  
+63 2 226-4915 (24-Hour Emergency Assistance)  
National Poison Management and Control Center  
Tel. No. +63 2 524-1078, +63 2 567-2057  
Mobile No. +63922-8961541 Fax No. +63 2 526-0062  
Southern Philippines Medical Center (SPMC)  
+63 2 227-2731

**Global Incident Response Hotline (24h)** +1 (760) 476-3964 (Company 3E for Bayer AG, Crop Science Division)

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.**

Eye irritation: Category 2  
H319 Causes serious eye irritation.

Reproductive toxicity: Category 2  
H361d Suspected of damaging the unborn child.

Effects on or via lactation  
H362 May cause harm to breast-fed children.

Acute aquatic toxicity: Category 1  
H400 Very toxic to aquatic life.



## NATIVO WG75 54X(10X12GR) BOX PH

Version 3 / RP  
102000011273

2/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

Chronic aquatic toxicity: Category 1  
H410 Very toxic to aquatic life with long lasting effects.

### 2.2 Label elements

|| Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

|| Hazard label for supply/use required.

**Hazardous components which must be listed on the label:**

- Tebuconazole
- Trifloxystrobin



|| **Signal word:** Warning

### Hazard statements

H319 Causes serious eye irritation.  
H361d Suspected of damaging the unborn child.  
H362 May cause harm to breast-fed children.  
H410 Very toxic to aquatic life with long lasting effects.  
EUH401 To avoid risks to human health and the environment, comply with the instructions for use.  
EUH208 Contains Trifloxystrobin. May produce an allergic reaction.

### Precautionary statements

P260 Do not breathe dust.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with local regulation.

### 2.3 Other hazards

No other hazards known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

#### Chemical nature

Water dispersible granules (WG)  
Trifloxystrobin/Tebuconazole 25:50 % w/w

#### Hazardous components

Hazard statements according to Regulation (EC) No. 1272/2008

Name	CAS-No. / EC-No. / REACH Reg. No.	Classification	Conc. [%]
		REGULATION (EC) No 1272/2008	
Tebuconazole	107534-96-3	Acute Tox. 4, H302	50.00



## NATIVO WG75 54X(10X12GR) BOX PH

Version 3 / RP  
1020000112733/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

		Repr. 2, H361d Aquatic Acute 1, H400 Aquatic Chronic 1, H410	
Trifloxystrobin	141517-21-7	Skin Sens. 1, H317 Lact., H362 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	25.00
Methylene-linked condensation product of arylsulphonic, sodium salts	90387-57-8	Aquatic Chronic 3, H412	> 1.00 – < 25
Kaolin	1332-58-7	Not classified	> 1.00

## Further information

Tebuconazole	107534-96-3	M-Factor: 1 (acute), 10 (chronic)
Trifloxystrobin	141517-21-7	M-Factor: 100 (acute), 10 (chronic)

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: FIRST AID MEASURES

## 4.1 Description of first aid measures

<b>General advice</b>	Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.
<b>Inhalation</b>	Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.
<b>Skin contact</b>	Wash off thoroughly with plenty of soap and water, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Call a physician or poison control center immediately.

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

**Symptoms** No symptoms known or expected.

## 4.3 Indication of any immediate medical attention and special treatment needed

**Treatment** Treat symptomatically. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. There is no specific antidote.



## **NATIVO WG75 54X(10X12GR) BOX PH**

Version 3 / RP  
102000011273

4/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

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### **SECTION 5: FIREFIGHTING MEASURES**

#### **5.1 Extinguishing media**

**Suitable** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Unsuitable** High volume water jet

**5.2 Special hazards arising from the substance or mixture** In the event of fire the following may be released: Hydrogen chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Hydrogen fluoride, Carbon monoxide (CO), Nitrogen oxides (NO<sub>x</sub>)

#### **5.3 Advice for firefighters**

**Special protective equipment for firefighters** In the event of fire and/or explosion do not breathe fumes. Wear self-contained breathing apparatus and protective suit.

**Further information** Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.

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### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

**Precautions** Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.

**6.2 Environmental precautions** Do not allow to get into surface water, drains and ground water.

#### **6.3 Methods and materials for containment and cleaning up**

**Methods for cleaning up** Use mechanical handling equipment. Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections** Information regarding safe handling, see section 7.  
Information regarding personal protective equipment, see section 8.  
Information regarding waste disposal, see section 13.

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### **SECTION 7: HANDLING AND STORAGE**

#### **7.1 Precautions for safe handling**

**Advice on safe handling** Use only in area provided with appropriate exhaust ventilation.

**Hygiene measures** Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands immediately after work, if necessary take a shower. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).

#### **7.2 Conditions for safe storage, including any incompatibilities**

**NATIVO WG75 54X(10X12GR) BOX PH**Version 3 / RP  
1020000112735/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

<b>Requirements for storage areas and containers</b>	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Keep away from direct sunlight.
<b>Advice on common storage</b>	Keep away from food, drink and animal feedingstuffs.
<b>Suitable materials</b>	Aluminium composite film (min. 0,007 mm Aluminium)
<b>7.3 Specific end use(s)</b>	Refer to the label and/or leaflet.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

Components	CAS-No.	Control parameters	Update	Basis
Trifloxystrobin	141517-21-7	2.7 mg/m <sup>3</sup> (SK-SEN)		OES BCS*
Tebuconazole	107534-96-3	0.2 mg/m <sup>3</sup> (SK-ABS)		OES BCS*
Kaolin (Total dust.)	1332-58-7	50millions of particles per cubic foot of air (TWA_PH)	04 2016	PH OEL
Kaolin (Respirable fraction.)	1332-58-7	15millions of particles per cubic foot of air (TWA_PH)	04 2016	PH OEL

\*OES BCS: Internal Bayer AG, Crop Science Division "Occupational Exposure Standard"

**8.2 Exposure controls****Personal protective equipment**

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

**Respiratory protection**

If product is handled while not enclosed, and if contact may occur:  
Wear respirator with a particle filter mask (protection factor 4) conforming to European norm EN149FFP1 or equivalent.  
Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

**Hand protection**

Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

Wash gloves when contaminated. Dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

Material	Nitrile rubber
Rate of permeability	> 480 min
Glove thickness	> 0.4 mm
Protective index	Class 6



**NATIVO WG75 54X(10X12GR) BOX PH**

Version 3 / RP  
102000011273

6/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

	Directive	Protective gloves complying with EN 374.
<b>Eye protection</b>		Wear goggles (conforming to EN166, Field of Use = 5 or equivalent).
<b>Skin and body protection</b>		Wear standard coveralls and Category 3 Type 5 suit. If there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently. If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

<b>Form</b>	water-dispersible granules
<b>Colour</b>	white to light beige
<b>Odour</b>	weak, characteristic
<b>Odour Threshold</b>	No data available
<b>pH</b>	7.0 - 9.0 (1 %) (23 °C) (deionized water)
<b>Melting point/range</b>	No data available
<b>Boiling Point</b>	No data available
<b>Flash point</b>	No data available
<b>Flammability</b>	The product is not highly flammable.
<b>Auto-ignition temperature</b>	No data available
<b>Ignition temperature</b>	280 °C
<b>Self-accelarating decomposition temperature (SADT)</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Lower explosion limit</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Density</b>	No data available
<b>Bulk density</b>	ca. 0.55 g/ml (bulk density tapped)
<b>Water solubility</b>	dispersible
<b>Partition coefficient: n-octanol/water</b>	Tebuconazole: log Pow: 3.7 Trifloxystrobin: log Pow: 4.5 (25 °C)



**NATIVO WG75 54X(10X12GR) BOX PH**

Version 3 / RP  
102000011273

7/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

<b>Viscosity, kinematic</b>	No data available
<b>Impact sensitivity</b>	Not impact sensitive.
<b>Oxidizing properties</b>	No oxidizing properties
<b>Explosivity</b>	Not explosive 92/69/EEC, A.14 / OECD 113
<b>9.2 Other information</b>	Further safety related physical-chemical data are not known.

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**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity**

<b>Thermal decomposition</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	No hazardous reactions when stored and handled according to prescribed instructions.
<b>10.4 Conditions to avoid</b>	Extremes of temperature and direct sunlight.
<b>10.5 Incompatible materials</b>	Store only in the original container.
<b>10.6 Hazardous decomposition products</b>	No decomposition products expected under normal conditions of use.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

<b>Acute oral toxicity</b>	LD50 (Rat) $\geq$ 5,000 mg/kg
<b>Acute inhalation toxicity</b>	Not relevant because of low dust formation.
<b>Acute dermal toxicity</b>	LD50 (Rat) > 2,000 mg/kg
<b>Skin corrosion/irritation</b>	No skin irritation (Rabbit)
<b>Serious eye damage/eye irritation</b>	Irritating to eyes. (Rabbit)
<b>Respiratory or skin sensitisation</b>	Skin: Non-sensitizing. (Guinea pig) OECD Test Guideline 406, Magnusson & Kligman test

**Assessment STOT Specific target organ toxicity – single exposure**

Tebuconazole: Based on available data, the classification criteria are not met.  
Trifloxystrobin: Based on available data, the classification criteria are not met.

**Assessment STOT Specific target organ toxicity – repeated exposure**

Tebuconazole did not cause specific target organ toxicity in experimental animal studies.  
Trifloxystrobin did not cause specific target organ toxicity in experimental animal studies.



**NATIVO WG75 54X(10X12GR) BOX PH**

Version 3 / RP  
102000011273

8/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

**Assessment mutagenicity**

Tebuconazole was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.  
Trifloxystrobin was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

**Assessment carcinogenicity**

Tebuconazole caused at high dose levels an increased incidence of tumours in mice in the following organ(s): Liver. The mechanism of tumour formation is not considered to be relevant to man.  
Trifloxystrobin was not carcinogenic in lifetime feeding studies in rats and mice.

**Assessment toxicity to reproduction**

Tebuconazole caused reproduction toxicity in a two-generation study in rats only at dose levels also toxic to the parent animals. The reproduction toxicity seen with Tebuconazole is related to parental toxicity.

Trifloxystrobin caused reduced body weight development in offspring during lactation only at doses also producing systemic toxicity in adult rats.

**Assessment developmental toxicity**

Tebuconazole caused developmental toxicity only at dose levels toxic to the dams. Tebuconazole caused an increased incidence of post implantation losses, an increased incidence of non-specific malformations.

Trifloxystrobin caused developmental toxicity only at dose levels toxic to the dams. The developmental effects seen with Trifloxystrobin are related to maternal toxicity.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1 Toxicity**

**Toxicity to fish** LC50 (Oncorhynchus mykiss (rainbow trout)) 0.064 mg/l  
Exposure time: 96 h

**Toxicity to aquatic invertebrates** LC50 (Daphnia magna (Water flea)) 0.0138 mg/l  
Exposure time: 48 h

LC50 (Mysidopsis bahia (mysid shrimp)) 0.00862 mg/l  
Exposure time: 96 h  
The value mentioned relates to the active ingredient trifloxystrobin.

**Chronic toxicity to aquatic invertebrates** NOEC (Daphnia (water flea)): 0.010 mg/l  
Exposure time: 21 d  
The value mentioned relates to the active ingredient tebuconazole.

**Toxicity to aquatic plants** EC50 (Raphidocelis subcapitata (freshwater green alga)) > 0.150 mg/l  
Growth rate; Exposure time: 72 h  
(Lemna gibba (gibbous duckweed)) 0.237 mg/l  
Growth rate; Exposure time: 7 d  
The value mentioned relates to the active ingredient tebuconazole.

EC10 (Desmodesmus subspicatus (green algae)) 0.0025 mg/l  
Growth rate; Exposure time: 72 h  
The value mentioned relates to the active ingredient trifloxystrobin.





**NATIVO WG75 54X(10X12GR) BOX PH**

Version 3 / RP  
102000011273

9/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

**12.2 Persistence and degradability**

**Biodegradability** Tebuconazole:  
Not rapidly biodegradable  
Trifloxystrobin:  
Not rapidly biodegradable

**Koc** Tebuconazole: Koc: 769  
Trifloxystrobin: Koc: 2377

**12.3 Bioaccumulative potential**

**Bioaccumulation** Tebuconazole: Bioconcentration factor (BCF) 35 - 59  
Does not bioaccumulate.  
Trifloxystrobin: Bioconcentration factor (BCF) 431  
Does not bioaccumulate.

**12.4 Mobility in soil**

**Mobility in soil** Tebuconazole: Slightly mobile in soils  
Trifloxystrobin: Slightly mobile in soils

**12.5 Results of PBT and vPvB assessment**

**PBT and vPvB assessment** Tebuconazole: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).  
Trifloxystrobin: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

**12.6 Other adverse effects**

**Additional ecological information** No other effects to be mentioned.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

**Product** In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

**Contaminated packaging** Triple rinse containers.  
Do not re-use empty containers.  
Not completely emptied packagings should be disposed of as hazardous waste.

**Waste Key** In accordance with Section 2.0 - Classification of Hazardous Waste (DENR administrative order 2013-22 as amended):  
J201 - Containers previously containing toxic chemical substances  
M504 - Pesticides

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**SECTION 14: TRANSPORT INFORMATION**



**NATIVO WG75 54X(10X12GR) BOX PH**

Version 3 / RP  
102000011273

10/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

**ADR/RID/ADN**

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TEBUCONAZOLE, TRIFLOXYSTROBIN MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packaging Group	III
14.5 Environm. Hazardous Mark	YES
Hazard no.	90

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

**IMDG**

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TEBUCONAZOLE, TRIFLOXYSTROBIN MIXTURE)
14.3 Transport hazard class(es)	9
14.4 Packaging Group	III
14.5 Marine pollutant	YES

**IATA**

14.1 UN number	<b>3077</b>
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (TEBUCONAZOLE, TRIFLOXYSTROBIN MIXTURE )
14.3 Transport hazard class(es)	9
14.4 Packaging Group	III
14.5 Environm. Hazardous Mark	YES

**14.6 Special precautions for user**

See sections 6 to 8 of this Safety Data Sheet.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

No transport in bulk according to the IBC Code.

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**SECTION 15: REGULATORY INFORMATION**

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

**Further information**

WHO-classification: III (Slightly hazardous)

Labelling According to Fertilizer and Pesticide Authority  
Pesticide Regulatory Policies and Implementing Guidelines 2nd Edition  
Classification of Pesticides Based on Toxicity and Hazard

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**SECTION 16: OTHER INFORMATION**

**NATIVO WG75 54X(10X12GR) BOX PH**Version 3 / RP  
10200001127311/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022**Text of the hazard statements mentioned in Section 3**

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H361d	Suspected of damaging the unborn child.
H362	May cause harm to breast-fed children.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Abbreviations and acronyms**

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x %
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EU) 1907/2006 and Regulation (EU) 2015/830 amending Regulation (EU) No 1907/2006 and any subsequent amendments. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

**Reason for Revision:**

The following sections have been revised: Section 2: Hazards Identification. Section 3: Composition / Information on Ingredients. Section 11: Toxicological information on STOT (Specific Target Organ Toxicity) and CMR (Carcinogenic, Mutagenic and toxic to Reproduction). Section 12. Ecological information.

**SAFETY DATA SHEET** according to Regulation (EC) No. 1907/2006



**NATIVO WG75 54X(10X12GR) BOX PH**

Version 3 / RP  
102000011273

12/12  
Revision Date: 28.01.2020  
Print Date: 24.01.2022

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Changes since the last version are highlighted in the margin. This version replaces all previous versions.