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Safety data sheet

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

1.1. Product identifier

Code: **IDEALBINDER**
Product name: **--**

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

Intended use: **Binding admixture for cement**

1.3 Details of the supplier of the safety data sheet

Company name: **IDEAL WORK SRL**
Address: **Via Kennedy, 52**
Place and country: **31030 Vallà di Riese Pio X (TV)**
Italy
tel. **0423 /4535**
fax **0423 /748429**

e-mail address for a competent person, responsible for the safety data sheet

sicurezza@idealwork.it

1.4 Emergency telephone number

For information in an emergency

Poison center:
National Poisons Information Service
(Birmingham Unit) City Hospital
Dudley Rd Birmingham
Telephone: +44 121 507 4123
Fax: +44 121 507 55 88
Emergency telephone: 844 892 0111

SECTION 2. Hazards identification.

2.1 Classification of the substance or mixture

Classification (67/548/EEC, 1999/45/EC)

This mixture is not classified as dangerous according to Directive 1999/45/EC.

2.2 Label elements

Labelling according to EC Directives (1999/45/EC)

In accordance with Directive 1999/45/EC, the product does not need to be classified nor labelled. To the best of our knowledge, this product does not require any hazard labelling.

2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

May irritate eyes.


May irritate skin.

SECTION 3. Composition/information on ingredients.

3.2 Mixtures

Chemical nature: aqueous dispersion

Hazardous components

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Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Nonylphenol, branched, ethoxylated (30 E0)	68412-54-4	R52/53	Aquatic Chronic 3; H412	< 3.5

For the full text of the R-phrases mentioned in this Section, see Section 16.

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

- General advice : Get medical attention if symptoms occur.
: Show this safety data sheet to the doctor in attendance.
- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.
- In case of skin contact : Wash off immediately with soap and plenty of water.
: Remove contaminated clothing. If irritation develops, get medical attention.
: Wash contaminated clothing before reuse.
- In case of eye contact : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- If swallowed : If accidentally swallowed obtain immediate medical attention.
: Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Repeated or prolonged exposure may cause irritation of eyes and skin.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.


SECTION 5. Firefighting measures.

5.1 Extinguishing media

- Suitable extinguishing media : Not combustible.
: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : No information available.

5.2 Special hazards arising from the substance or mixture

The pressure in sealed containers can increase under the influence of heat.

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5.3 Advice for firefighters

Use personal protective equipment.
The product itself does not burn.
Prevent fire extinguishing water from contaminating surface water or the ground water system.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. Accidental release measures.

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

6.3 Methods and materials for containment and cleaning up

Large spills should be collected mechanically (remove by pumping) for disposal.
Prevent further leakage or spillage if safe to do so.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Pick up and transfer to properly labelled containers.
Clean contaminated floors and objects thoroughly while observing environmental regulations.
Dispose of in accordance with local regulations.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7. Handling and storage.

7.1 Precautions for safe handling

Wear personal protective equipment.
For personal protection see section 8.
Avoid inhalation, ingestion and contact with skin and eyes.
Do not use in areas without adequate ventilation.
Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container.
Keep in properly labelled containers.
Store between 5 and 35 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.
Do not freeze.


7.3 Specific end uses

Consult the technical guidelines for the use of this substance/mixture.

SECTION 8. Exposure controls/personal protection.

8.1 Control parameters

Components with workplace control parameters below limit for consideration

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8.2 Exposure controls

Engineering measures

Use adequate ventilation and/or engineering controls in high temperature processing to prevent exposure to vapours.

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

- | | |
|--------------------------|---|
| Respiratory protection | : Respirator with a vapour filter (EN 141) |
| | : Use respirator when performing operations involving potential exposure to vapour of the product. |
| Hand protection | : Protective gloves complying with EN 374.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. |
| Eye protection | : Safety glasses with side-shields conforming to EN166 |
| Skin and body protection | : Wear suitable protective clothing.
: Skin should be washed after contact.
: Remove and wash contaminated clothing before re-use. |
| Hygiene measures | : Wash hands before breaks and immediately after handling the product.
: When using do not eat, drink or smoke. |
| Protective measures | : Ensure that eye flushing systems and safety showers are located close to the working place. |

Environmental exposure controls


General advice:

The product should not be allowed to enter drains, water courses or the soil.

SECTION 9. Physical and chemical properties.

9.1 Information on basic physical and chemical properties

- | | |
|------------------------------|---------------------------------|
| Appearance | : aqueous dispersion |
| Colour | : white |
| Odour | : slightaromatic |
| Odour Threshold | : not determined |
| pH | : 9.0 - 11.0 |
| Melting point/freezing point | : not determined |
| Boiling point | : not determined |
| Flash point | : not applicable |
| Evaporation rate | : not determined |
| Flammability (solid, gas) | : The product is not flammable. |
| Lower explosion limit | : not applicable |

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Upper explosion limit	: not applicable
Vapour pressure	: ca. 23 hPa, at 20 °C
Relative vapour density	: not determined
Relative density	: 0.9 - 1.1
Water solubility	: insoluble, completely miscible, in all proportions
Partition coefficient: n-octanol/water	: not determined
Ignition temperature	: not applicable
Thermal decomposition	: not determined
Viscosity, dynamic	: 30 - 150 mPa s
Explosive properties	: not applicable
Oxidizing properties	: not applicable

9.2 Other information

No information available.

SECTION 10. Stability and reactivity.

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None known.

10.4 Conditions to avoid

Extremes of temperature and direct sunlight.

10.5 Incompatible materials

None known.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11. Toxicological information.


Information on toxicological effects

No data is available on the product itself. Information given is based on data on the components and the toxicology of similar products.

Components:

Nonylphenol, branched, ethoxylated (30 E0):

Acute oral toxicity	: LD50 Oral: > 2,000 mg/kg, rat
Skin corrosion/irritation	: Rabbit, OECD Test Guideline 404, No skin irritation
Serious eye damage/eye irritation	: Rabbit, OECD Test Guideline 405, No eye irritation

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SECTION 12. Ecological information.

12.1 Toxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : No data is available on the product itself.

Chronic aquatic toxicity : No data is available on the product itself.

Components:

Nonylphenol, branched, ethoxylated (30 E0):

Toxicity to fish : LC50: 10.1 - 100 mg/l, 96 h, Fish, Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates. : EC50: 10.1 - 100 mg/l, 48 h, Daphnia magna (Water flea), Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

Product:

Biodegradability : Taking into consideration the properties of several components, the product is estimated not to be readily biodegradable according to OECD classification.

Components:

Nonylphenol, branched, ethoxylated (30 E0):

Biodegradability : Not readily biodegradable.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Bioaccumulation is unlikely.

Components:

Nonylphenol, branched, ethoxylated (30 E0):

Bioaccumulation : Fish, Bioconcentration factor (BCF): 1.4 - 3.0

12.4 Mobility in soil

Product:


Distribution among environmental compartments : No data available

Physico-chemical removability : 98 %, OECD Test Guideline 302, The product can be eliminated from water by abiotic processes, e.g. adsorption on activated sludge.

12.5 Results of PBT and vPvB assessment

Product:

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

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12.6 Other adverse effects

Product:

This product has no known eco-toxicological effects.

SECTION 13. Disposal considerations.

13.1 Waste treatment methods

In accordance with local and national regulations.

The product should not be allowed to enter drains, water courses or the soil.

Waste water from subsequent processing should be given appropriate treatment in line with local regulations.

Contaminated packaging : In accordance with local and national regulations.

SECTION 14. Transport information.

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.5 Environmental hazards

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.


14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15. Regulatory information.

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

Basis	: RESTRICTIONS - REACH TITLE VIII
	: Candidate List of Substances of Very High Concern for Authorisation
Components	: 68412-54-4 Nonylphenol, branched, ethoxylated (30 E0)
	:
Concentration %	: < 3.5

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Water contaminating class (Germany) : WGK 1 slightly water endangering
Classification according VwVwS, Annex 4.

Other regulations : The product does not need to be labelled in accordance with EC directives or respective national laws.
: This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical Safety Assessment
not applicable

SECTION 16. Other information.

Full text of R-phrases referred to under sections 2 and 3.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under sections 2 and 3.

H412 Harmful to aquatic life with long lasting effects.

Further information

This data sheet contains changes from the previous version in section(s):

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.