



SAFETY DATA SHEET

PRODUCT:

WATER-BASED RELEASE AGENT

REVISION NUMBER:

03

REVISION DATE:

17/07/2016



RELEASE AGENT

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

1.1. Product identifier:

Denomination:

Water based release agent
Ababol N, N+, R, R+, D, G (all versions), V release agent for multi surfaces, free from solvents and hazards.

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

Relevant identified uses:

Multi surface release agents for surfaces such as resins, rotational molding, polyurethane, rubber. In sectors as tyres, wind power automation, aeronautic, etc.

Uses advised:

No uses advised against, as long as the information on this safety data sheet is followed.

1.3. Details of the supplier of the safety data sheet

CLAM DESARROLLO (ABABOL PRODUCTS)
Tel: +34 654991450
Cami de la Pascualeta 6, 46200 Paiporta, Valencia.
info@ababoldemould.com
www.ababoldemould.com

1.4. Emergency telephone number

International emergency telephone number 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

With the application of the classification criteria in Regulation (EC) No 1272/2008 (EC-GHS/CLP)
According to regulation (EC) n°1272/2008 (CLP), this mixture is classified as non-hazardous.

2.2. Label elements

Labeled in accordance with regulation (EC) No 1272/2008 (CLP):

Pictograms: not applicable

Signal word: not applicable

Hazard statement(s): not applicable

Precautionary statement(s): not applicable

2.3. Other Hazards

Results on PBT and mP mB valuations

This mixture does not meet the criteria for PBT in accordance with regulation (EC) No 1907/2006, Annex XIII.

This mixture does not meet the criteria for mP mB in accordance with regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable





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3.2. Mixtures

Name	Identification N°	Concentration	Classification - Regalement (EC) No1272/2008
SILICA POLYMER	-	< 10-15 %	Not classified
WATER	CAS: 7732-18-5 EINECS: 231-791-2	> 85-90 %	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

In case of over exposure to vapors produced by overheating, move the victim to fresh air. Artificial respiration may be needed.

High concentration may cause central nervous system depression resulting in headaches, dizziness and nausea. Continuous inhalation may result in unconsciousness and/or death.

Ingestion

Drink plenty of water, do not induce vomiting. Consult a doctor

This material could enter the lungs, causing severe damage. If the victim is unconscious, rest his head on the left side and down. If possible, do not leave the victim alone. Seek medical attention.

Skin contact

Avoid direct contact with skin. Wash with plenty of water and soap.

May cause moderate skin irritation (but insufficient to be classified)

Prolonged/repetitive contact may cause skin dryness resulting in dermatitis.

Eye contact

Rinse with plenty of water at least for 15 minutes.

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

Consult section 11 for more information about health effects and symptoms

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

In case of any doubt or where the symptom persists, seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Not flammable, in case of fire, use dry powder or CO₂ extinguisher. In case of a severe fire, use an alcohol-resistant foam. Avoid the use of water, especially a direct water jet, only use water-spray.

5.2. Special hazards arising from the substance or mixture

CO and CO₂ emissions in case of thermic decomposition.

5.3. Advice for firefighters

Firefighting personnel must wear appropriate equipment according to the fire magnitude and autonomous breathing equipment, with a complete face mask with a full face-piece operated in positive pressure mode, may be necessary. Protective equipment (such as gloves, helmets and protective boots) according to the European regulation EN 469 provides a basic level protection in case of a chemical accident. Do not take any action which poses a personal risk or with inadequate training.

Move the containers away from the fire if it can be done without danger.

Cool with water near tanks, cisterns or recipients from the heat source or the fire, considering the wind direction.

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Avoid the firefighting products entering drains, sewers or streams.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid breathing in any vapours during heating.

Protective equipment

Basic equipment for a correct industrial application. Wear goggles and safety clothes.

6.2. Environmental precautions

Avoid the release of the substance into ground-water or streams.

6.3. Methods and material for containment and cleaning up

Use absorbent material (bentonites, sepiolites, sand, etc.) and then pick up mechanically avoiding dust formation.

6.4. Reference to other sections

For exposure and personal protection see section 8

For residuals elimination follow the recommendations in section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not handle the substance before reading and understanding all safety instructions.

Do not spray the substance over an open flame or ignition source.

Keep it in a hermetically closed container, keeping the container well closed.

Store this material in a fresh, dry, and well-ventilated away from the heat and other ignition sources.

Avoid breathing of vapors.

Do not eat, drink or smoke while using the product.

Practice reasonable hygiene.

Empty containers always have residual waste (liquids or vapors) and may be dangerous.

Do not apply pressure, cuts, welds, perforations or expose the empty containers to heat, sparks or ignition sources. They may explode resulting in damage and/or death.

Empty containers must be completely emptied, away from the work area and safely disposed of according to environmental legislation.

7.2. Conditions for safe storage, including any incompatibilities

Protect from sunlight. Do not expose to temperatures below 5° C or above 45° C.

Keep separate from incompatible material and protect containers from potential physical damage.

7.3. Specific end use(s)

Specific end use not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

There are no substances which require measurement of the exposure levels in the workplace.



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8.2. Exposure controls

General protection and hygiene measures

Follow the current regulations.

Respiratory protection

No special measures under normal conditions are required. In case of insufficient ventilation, use an individual type-2 filter mask, carbon-active filters are recommended.

Skin protection

No special measures under normal conditions are required. Use chemically resistant clothing and boots if a possibility of direct skin exposure exists.

Chemical protective clothing: UNE EN 13034:2005+A1:2009; UNE EN14605:2005+A1: 2009

Chemical protective footwear: UNE EN 13832-1:2007

Eye protection

No special measures are required under normal conditions.

When empty containers are handled there is a chance of spillage - safety or protective goggles should be worn (EN 166).

Hand protection

Chemical resistant gloves (EN 374) of butyl or nitrile material type

Use of gloves must be according to the instructions given by the producer and the general rules listed below:

Consider the information provided by the content of substances that may cause allergies.

Verify if there are any holes or imperfections in the gloves before use.

Decontaminate after every use according to the cleaning instructions. This will allow later use with similar performance.

There is no recommended total usage time or number of times they can be used.

It must be estimated and set based on the type of task and the characteristics of the glove, while not showing any signs of deterioration. If this occurs, they must be discarded immediately.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance: Liquid

Color: white

Odour: weak

Odour threshold: Not determined

pH: 9-12

Melting point/freezing point: Not determined

Initial boiling point and boiling range: 102° C

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Flash point: Not applicable
Flammability (solid, gas): Not determined
Upper/lower flammability or explosive limits: not applicable
Evaporation rate: Not determined.
Vapour pressure: Not applicable
Vapour density: Not determined
Density: 1.0-1.12 g/cm³
Relative density: Not determined
Solubility: 100% in water
Partition coefficient: n-octanol/water: not determined
Auto-ignition temperature: this product is not auto-flammable
Decomposition temperature: Not determined
Dynamic viscosity: Not determined
Cinematic viscosity: Not determined
Explosive properties: Not Explosive
Oxidizing properties: Not oxidized

9.2. Other information

VOC content (p/p) dissolvent: = 0%

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal storage and usage conditions.

10.2. Chemical stability

Stable under normal usage conditions

10.3. Possibility of hazardous reactions

Dangerous Polymerization: the product will polymerize over time.

10.4. Conditions to avoid

Exposure to high temperature or under 5° C.

Direct sunlight.

10.5. Incompatible materials

Do not mix with strong oxidizing agents, acids or bases.

10.6. Hazardous decomposition products

Combustion may release CO, CO₂ and fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

a) Acute toxicity

No available data

b) Skin corrosion/irritation

Classification criteria are not met. Substances classified as dangerous by this effect are not present. For more information, see section 3.

c) Serious eye damage/irritation

Classification criteria are not met. Substances classified as dangerous by this effect are not present. For more information, see section 3.

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d) Respiratory or skin sensitization

Classification criteria are not met. Substances classified as dangerous by this effect are not present. For more information, see section 3.

e) Germ cell mutagenicity

Classification criteria are not met. Substances classified as dangerous by this effect are not present. For more information, see section 3.

f) Carcinogenicity

Classification criteria are not met. Substances classified as dangerous by this effect are not present. For more information, see section 3.

g) Reproductive toxicity

Classification criteria are not met. Substances classified as dangerous by this effect are not present. For more information, see section 3.

h) STOT-single exposure

Classification criteria are not met. Substances classified as dangerous by this effect are not present. For more information, see section 3.

i) STOT-repeated exposure

Classification criteria are not met. Substances classified as dangerous by this effect are not present. For more information, see section 3.

j) Aspiration hazard

Classification criteria are not met. Substances classified as dangerous by this effect are not present. For more information, see section 3.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicology experiments data about the substance are not available.

Acute toxicity on fish: not available

Acute toxicity on aquatics invertebrates: not available

Acute toxicity on seaweeds and bacteria: not available

12.2. Persistence and degradability

Persistence

This product will evaporate in a short time from the surface of the water.

Degradability

Easily biodegradable. Environment biodegradation in a few days is expected through photo chemical reactions under the influence of sunlight.

12.3. Bioaccumulative potential

Not bioaccumulable

12.4. Mobility in soil

There is no information available of mobility in soil.
Avoid soil penetration.

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Do not empty the waste into drains. Do not allow the product to enter sewers or ground-water.

12.5. Results of PBT and vPvB assessment

This mixture is not considered as persistent, Bioaccumulative, or toxic (PBT) according to the legislation criteria (EC) No 1907/2006, Annex XIII

This mixture is not considered as persistent, Bioaccumulative, or toxic (mPmB) according to the legislation criteria (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

Not hazardous for the ozone layer. Avoid the emission of the dissolvent to the atmosphere

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product Handling and elimination

Necessary measures must be taken to avoid the generation of waste.

Analyze possible revaluation or recycling methods. Dispose of at an authorized point of waste collection.

Waste must be handled and disposed of according to existing local/national legislation. For exposure control and individual safety measures, see section 8.

Waste must be collected in homologated containers or packages for hazardous goods transport and must be labelled and marked according to dangerous goods regulations.

The appropriate methods for waste disposal is controlled incineration in special plants for chemical waste, according to the local regulations.

Disposal of contaminated empty containers

Empty containers must be disposed of according to current local/national legislation by authorized personnel

Follow the directive instructions 91/689/CE regarding waste management.

SECTION 14: Transport information

Dangerous goods transport must be according to the international current legislation: ADR for land-transport, RID for rail transport, IMDG for sea transport, ADN for inland waterways (ADNR (by the Rhine)), and the ICAO/IATA for air transport, also the dangerous goods transport by road.

The following data (except 14.6) are the same for all the kinds of dangerous goods transports (ADR, RID, IMDG, ADN, ICAO, IATA).

14.1 UN Number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Marine pollutant: No

14.6. Special precautions for user

Not applicable.

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IBC 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

The product is not affected by bulk transport on ships.

SECTION 15: Regulatory information

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

Applied regulations

Regulation (EC) No 1272/2008 (CLP) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances or mixtures.

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Regulation (EC) No 1907/2006 (REACH) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL, of 18 December 2006.

Other regulations

DIRECTIVE 2012/18/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC: No regulation required

Regulation (EC) No 1907/2006 (REACH) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL, of 18 December 2006, concerning the Registration, Evaluation, Authorization and Restriction of Chemicals: According, to the ANNEX XIV (LIST OF SUBSTANCES SUBJECT TO AUTHORISATION), this product is exempt from regulation (no substances subject to authorization).

ANNEX XVII RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES: this product is exempt from regulation (No substances subject to restriction) and can be placed on the EU market.

REGULATION (EU) No 528/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 22 May 2012 concerning the making available on the market and use of biocidal products: No regulation required.

REGULATION (EC) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer: No regulation required.

REGULATION (EC) No 689/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 17 June 2008 concerning the export and import of dangerous chemicals: No regulation required.

15.2 Chemical safety assessment

The supplier has not carried out chemical safety assessment.

SECTION 16: Other information

16.1 Applicable safety data sheet legislation

This safety data sheet has been prepared according to ANNEX II- guide for the preparation of safety data sheets (CE) 1907/2006 (REACH) updated according to regulation (EU) N° 2015/830 of 28 May 2015.





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Section 14 about transport has been revised according to current regulations in the present revision date:

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.
ADR: European agreement concerning the International carriage of Dangerous Goods by Road.
IMDG: International Maritime Dangerous Goods (Code).
IATA: International Air Transport Association.
OACI: International Civil Aviation Organization.
Also dangerous goods transport by road.

16.2. Principal biography sources

<http://esis.jrc.ec.europa.eu>
<http://echa.europa.eu>
<http://europhrac.eu>
<http://echemportal.org>
<http://toxnet.nlm>
<http://inchem.org>
<http://epa.gov>
<http://insh.es>

16.3. Information of methods of evaluation

Article 9 legislation n°1272/2008 (CLP).

The mixture classification is based on general calculation methods using substance data, according to legislation (CE) No 1272/2008. If some substance data is available or if the weight of evidence for classification, it will be indicated in the relevant safety data sheet section. see section 9 for chemical and physical properties, section 11 for toxicological information and section 12 for ecological information.

16.4. Modification from previous versions

REPLACE VERSION 2 (14/01/2016)

Upgrade of all safety data sheet sections according to legislation (EU) N° 2015/830 of 28 May 2015, modified legislation No 1906/2006. Classification according to legislation (CE) No 1272/2008 (CLP) from the European parliament and counsel of 16 December 2008 about labeling, classification and packaging of substances and mixtures.

It is advisable to do basic training according to safety, work hygiene and the handling of chemicals to be able to handle the substance correctly.

The product must not be used for purposes other than those specified without first having a written instruction of its handling.

The information in the safety data sheet is based in the actual knowledge and current EU/national legislation in that the employee work conditions are out of our knowledge and control.

It remains the responsibility of the user to take appropriate measures with the goal of meeting the set requirements in the current legislation. The information in the safety data sheet only means a description of the mixture safety requirements and it should not be considered as a guarantee of its properties.