

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1. Product identifier

Product name: ASA

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

**General use:** Manufacture of plastic products

**Restriction on use:** Used only recommended uses

### 3. Details of the supplier of the safety data sheet:

**Supplier:** Laboratorio Geométrico S.L.  
Calle Segunda (Polígono Industrial El Montalvo III), 4,  
37188, Carbajosa de la Sagrada  
info@winkle.shop  
670 37 88 29

### 4. Emergency telephone number

Emergency telephone numbers : 112

## 2. HAZARDS IDENTIFICATION

### 1. GHS Classification

Not applicable

### 2. GHS label elements

Hazard symbols: Not applicable

Signal words: Not applicable

Hazard statements: Not applicable

Precautionary statements:

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

### 3. Other hazards which do not result in classification: (NFPA Classification)

NFPA grade (0 ~ 4 level)

Health: 1, Flammability: 1, Reactivity: 0

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	Tradename and Synonyms	CAS No.	Content (%)
2-Propenoic acid butyl ester polymer with ethenylbenzene and 2-propenenitrile	ASA	26299-47-8	97 ~ 100
Typical stabilizers and lubricants	Typical stabilizers and lubricants		0-3

### 4. FIRST AID MEASURES

#### 1. Description of first aid measures

<b>Eye contact:</b>	Solid or dust may cause irritation or corneal due to mechanical action Immediately flush eyes with plenty of water for at least 15 minutes and call a doctor/physician
<b>Skin contact:</b>	Essentially nonirritating to skin but rinse with copious water Mechanical injury only
<b>Ingestion:</b>	Unlikely due to physical state. Rinse your mouth with water immediately. If vomiting occurs, lower the head to ease vomiting and seek medical attention immediately
<b>Inhalation:</b>	Dust may cause irritation to respiratory In case of breathing, fumes released from heated material may cause respiratory irritation. In case of inhaling dense smoke, immediately remove a person to fresh air. If necessary, apply artificial respiration and seek medical attention immediately
<b>Delayed and immediate effects and also chronic effects from short and long term exposure:</b>	Not available
<b>Notes to physician:</b>	Not available

### 5. FIREFIGHTING MEASURES

#### 1. Suitable (unsuitable) extinguishing media

Suitable extinguishing media: water, dry extinguishing media, foam, carbon dioxide  
Usually use water and use extinguishing media appropriate to surrounding conditions

#### 2. Specific hazards arising from the chemical

Pyrolysate: carbon dioxide, carbon monoxide, hydrogen cyanide and a variety of chemical substances  
The substances/groups of substances mentioned can be realised in case of fire

Irritating gases and dense smoke  
Dust can form an explosive mixture with air

### 3. Social protective actions for firefighters

Cool containers with water until well after fire is out  
Keep unauthorized personnel out  
Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank  
Notify your local firestation and inform the location of the fire and characteristics hazard  
Wear appropriate protective equipment  
Keep containers cool with water spray

## 6. ACCIDENTAL RELEASE MEASURES

### 1. Personal precautions, protective equipment and emergency procedures

Pellets or beads may present a slipping hazard  
Sources of ignition should be kept well clear

### 2. Environmental precautions

Discharge into the environment must be avoided  
Keep out of irrigation ditches sewers, and water supplies  
Spills should be collected to prevent contamination of waterways  
If large amounts have been spilled, inform the relevant authorities

### 3. Methods and materials for containment and cleaning up

Sweep up  
Appropriate container for disposal of spilled material collected  
Avoid raising dust  
Ensure adequate ventilation

## 7. HANDLING AND STORAGE

### 1. Precautions for safe handling

Avoid formation of dust  
When the product is ground (chopped), dust explosion regulations should be noted  
Avoid pellets/bags from getting wet  
Keep bags always closed/keep container lightly closed  
Do not handle until all safety precautions have been read and understood

### 2. Conditions for safe storage, including any incompatibilities

Protect against moisture. Keep sealed when not in use  
Avoid extreme heat. Avoid all sources of ignition: heat, sparks, open flame  
Please pay attention to incompatibilities materials and conditions to avoid  
Keep bags/containers in a well-ventilated place

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 1. Exposure limits

ACGIH TLV: Not available

### 2. Engineering controls

Good general ventilation should be sufficient for most conditions  
Local exhaust ventilation may be necessary for some operations

### 3. Personal protective equipment

#### Respiratory protection:

Consider warning properties before use

For most conditions, no respiratory protection should be needed; however, If handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator

In gusty atmospheres, use an approved

#### Eye protection:

Wear a primary eye protection such as resistant safety goggles with side-shields (frame goggles)

#### Hand protection:

Wear appropriate glove

#### Skin protection:

Wear appropriate clothing

#### Other:

Not available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Solid (Pellets)
<b>Color:</b>	Not available
<b>Odor:</b>	Almost odorless
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not available
<b>Melting/freezing point:</b>	180 ~ 200°C/not available
<b>Initial boiling point/ boiling ranges:</b>	Not available
<b>Flash point:</b>	Not available
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid,gas):</b>	Not available
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapour pressure:</b>	Not available
<b>Solubility:</b>	Not available
<b>Vapour density:</b>	Not available
<b>Specific gravity:</b>	1.07
<b>Partition coefficient of n-octanol/water:</b>	Not available

<b>Autoignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available
<b>Molecular weight:</b>	50,000 ~ 250,000

## 10. STABILITY AND REACTIVITY

### 1. Chemical stability

This material is stable under recommended storage and handling conditions  
Hazardous polymerization will not occur

### 2. Possibility of hazardous reactions

Avoid extreme heat. Avoid all sources of ignition; heat, sparks, open flame  
Avoid fire and heating above 60°C for storage conditions

### 3. Conditions to avoid

Avoid contact with incompatible materials and condition  
Avoid: Accumulation of electrostatic charges, heating, flames and hot surfaces

### 4. Incompatible materials

Strong oxidizing agents

### 5. Hazardous decomposition products

May emit flammable vapour if involved in fire  
Gaseous products of degradation can be given off if the product is greatly overheated, monomers, hydrocarbons, gases/vapours, cyclic low molecular weight oligomers, oxides and hydrogen cyanide

## 11. TOXICOLOGICAL INFORMATION

### 1. Information on the likely routes of exposure

Respiratory: Not available  
Oral: Not available  
Eye-Skin: Not available

### 2. Delayed and immediate effects and also chronic effects from short and long term exposure

#### Acute toxicity

Oral: -[2-Propenoic acid butyl ester polymer with ethenylbenzene and 2-propenenitrile]:  
LD50 > 5000 mg/kg Rat

Dermal: Not available

Inhalation: Not available

#### Skin corrosion/irritation

Not available

#### Serious eye damage/irritation

Not available

#### Respiratory sensitization

Not available

#### Skin sensitization

Not available

### **Carcinogenicity**

1ARC: Not available

OSHA: Not available

ACGIH: Not available

NTP: Not available

EU CLP: Not available

### **Germ cell mutagenicity**

Not available

### **Reproductive toxicity**

Not available

### **STOT-single exposure**

Not available

### **STOT-repeated exposure**

Not available

### **Aspiration hazard**

Not available

## 12. ECOLOGICAL INFORMATION

### 1. Ecotoxicity

#### **Fish**

Not available

#### **Crustaceans**

Not available

#### **Algae**

Not available

### 2. Persistence and degradability

#### **Persistence**

Not available

#### **Degradability**

Not available

### 3. Bioaccumulative potential

#### **Bioaccumulative potential**

Not available

#### **Biodegradation**

Not available

### 4. Mobility in soil

Not available

### 5. Other adverse effects

Not available

## 13. DISPOSAL CONSIDERATIONS

### 1. Disposal methods

Must be dumped or incinerated in accordance with local regulations  
For unused & uncontaminated product, the preferred options include sending to a licensed, permitted: recycler, reclaim, incinerator or other thermal destruction device

### 2. Special precautions for disposal

Do not Dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, State/provincial and local law regulations. Regulations may vary in different locations. Waste characterizations and compliance with appliance laws are the responsibility solely of the waste generator.

## 14. TRANSPORT INFORMATION

### 1. UN number (IMDG)

Not available

### 2. Proper shipping name

Not available

### 3. IMDG Class

Not available

### 4. IMDG Packaging group

Not available

### 5. Marine pollutant

Not available

### 6. Special precautions for user related to transport or transportation measures

Local transport follows in accordance with Dangerous goods Safety Management Law  
Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements  
EmS FIRE SCHEDULE: Not available  
EmS SPILLAGE SCHEDULE: Not available

## 15. REGULATORY INFORMATION

### 1. National and/or international regulatory information

#### POPS Management Law

Not applicable

#### Information of EU Classification

Classification: Not applicable

Risk Phrases: Not applicable

Safety Phrase: Not applicable

#### U.S Federal regulations

OSHA PROCESS SAFETY (29CFR1910.119): Not applicable

CERCLA Section 103 (40CFR302.4): Not applicable

EPCRA Section 302 (40CFR355.30): Not applicable

EPCRA Section 304 (40CFR355.40): Not applicable

EPCRA Section 313 (40CFR372.65): Not applicable

**Rotterdam Convention listed ingredients**

Not applicable

**Stockholm Convention listed ingredients**

Not applicable

**Montreal Convention listed ingredients**

Not applicable

## 16. OTHER INFORMATION

### 1. Reference

The information contained herein is believed to be accurate. It is provided independently of any sale of the product for purpose of hazard communication. It is not intended to constitute performance information concerning the product. No express warranty, or implied warranty of merchantability of fitness for a particular purpose is made with respect to the product or the information contained herein.

This Safety Data Sheet was compiled with data and information from the following sources: KOHA, NITE, ESIS, NLM, SIDS, IPCS

### 2. Issue date

1997-04-01

### 3. Revision number and Last data revised

6 times, 2014-03-07

### 4. Other

This MSDS is prepared according to the Globally Harmonized System (GHS).