Unilene

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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SECTION 1: Identification

1.1. Identification

Trade name	:	Unilene Resin
Chemical name	:	Naphtha, petroleum, light steam-cracked, debenzenized, polymers
CAS-No.	:	68131-99-7
Product code	:	A-80, A-90, A-100, A-110, A-120, A-90 LN, A-100 LN, AC-70, AC-80, AC-90, AC-100, AC-110, AC-120, AV, B-100, B-110, B-120, B-100 LN, B-110 LN, B-120 LN, BC-100, BC-110, BC-120, BS-130, BS-130 LN, BS-140, BS-150, BSC-130, BSC-140, BSC-150, BV.
Formula	:	Unspecified

1.2. Recommended use and restrictions on use

Use of the substance/mixture	:	Additive

1.3. Supplier

US office:
Braskem America
5100 Westheimer Rd - Suite 495
Houston, 77056 - USA
Tel: 713 255 4747 | Fax: 713 255 4740

Manufacturer:
Braskem S.A.
Av. Presidente Costa e Silva, 1178 – Capuava
Santo André, SP, CEP: 09270-001, Brasil

E-mail	:	productsafety@braskem.com
Telephone	:	+55 (11) 3576-9999
Website	:	www.braskem.com.br

1.4. Emergency telephone number

Emergency number (CHEMTREC)	:	1-800-424-9300 (USA – 24h) +1 703-741-5970 (International – 24h)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Combustible Dust May form combustible dust concentrations in air

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Signal word (GHS US)	:	Warning
Hazard statements (GHS US)	:	May form combustible dust concentrations in air

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification	:	Spilled material may present a slipping hazard. Electrostatic charges may be generated during handling. Dust could be formed as a result of granule degradation by impact or by abrasion during handling, grinding, or conveying operations. Dust may form explosive mixture in air.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Name	Product identifier	%	GHS-US classification
Naphtha, petroleum, light steam-cracked, debenzenized, polymers (Main constituent)	(CAS-No.) 68131-99-7	100	Not classified

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Move the affected person away from the contaminated area and into the fresh air.

First-aid measures after skin contact : After contact with skin, wash immediately with plenty of water and soap.

First-aid measures after eye contact : Rinse immediately with plenty of water, also under the eyelids. In case of doubt or persistent symptoms, consult always a physician.

First-aid measures after ingestion : Do not induce vomiting. Give water to drink if victim completely conscious/alert. Seek medical attention immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. irritation of mucous membranes.

Symptoms/effects after skin contact : Dust from this product may cause skin irritation.

Symptoms/effects after eye contact : Direct contact with the eyes is likely to be irritating.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water. carbon dioxide (CO2), dry chemical powder, foam.

Unsuitable extinguishing media : None known.

5.2. Specific hazards arising from the chemical

Fire hazard : Potential dust explosion hazard from airborne release. On combustion forms: Carbon monoxide. Carbon dioxide. Under fire conditions, hazardous fumes will be present. Hazardous combustion products.

Explosion hazard : Dust could be formed as a result of granule degradation by impact or by abrasion during handling, grinding, or conveying operations. Potential dust explosion hazard from airborne release.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Cool tanks/drums with water spray/remove them into safety. Under fire conditions, hazardous fumes will be present.

Protection during firefighting : Extra personal protection: complete protective clothing including self-contained breathing apparatus.

Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid creating or spreading dust. Provide adequate ventilation to minimize dust concentrations. Avoid contact with skin, eyes and clothing.

6.1.1. For non-emergency personnel

Protective equipment : Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Avoid contact with skin and eyes. Eliminate all ignition sources if safe to do so. Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Avoid contact with skin and eyes. Avoid raising powdered materials into airborne dust. Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Ensure all national/local regulations are observed.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up or vacuum up the product. Avoid raising powdered materials into airborne dust. Keep the recovered product for subsequent recycling. Ventilate spillage area.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13: "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure adequate ventilation. Either local exhaust or general room ventilation is usually required. Wear recommended personal protective equipment. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin and eyes.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash hands before breaks and after work. Remove all contaminated clothing and footwear. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Store, if possible, in a cool, well ventilated place away from incompatible materials.

Incompatible materials : Halogens. Sulfuric acid. Nitric acid. Strong oxidizing agents.

Maximal quantity : 25 kg

Storage temperature : Store at room temperature

Storage area : Ensure adequate ventilation. Use explosion-proof equipment.

Packaging materials : Polyethylene.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Nuisance dusts; particulates not otherwise classified		
ACGIH	ACGIH TWA (mg/m³)	10 mg/m³ (inhalable particles, recommended) 3 mg/m³ (respirable particles, recommended)
OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (total dust) 5 mg/m³ (respirable fraction)
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Chemical goggles or safety glasses. Contact lenses should not be worn

Skin and body protection:

When skin contact is possible, protective clothing including gloves, apron, sleeves, boots, head and face protection must be worn

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Consult supplier for specific recommendations

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Pellets/tablets.

Color : Brownish Yellow Green

Odor : Characteristic

Odor threshold	:	No data available
pH	:	Not applicable
Melting point	:	50 - 165 °C
Freezing point	:	No data available
Boiling point	:	Not applicable
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available
Specific gravity / density	:	1.09 - 1.13 g/cm³
Solubility	:	Soluble in hydrocarbons. Acetone. Carbon disulfide. Carbon tetrachloride.
Log Pow	:	No data available
Auto-ignition temperature	:	350 - 450 °C
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	30 - 50 g/m³
Explosive properties	:	Dust could be formed as a result of granule degradation by impact or by abrasion during handling, grinding, or conveying operations. Dust may form explosive mixture in air.
Oxidizing properties	:	Non oxidizing material.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. Open flame. Sparks. Ignition sources. elevated temperature.

10.5. Incompatible materials

Halogens. Sulfuric acid. Nitric acid. Strong oxidizing agents.

10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified
Skin corrosion/irritation	:	Not classified pH: Not applicable
Serious eye damage/irritation	:	Not classified pH: Not applicable
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified

Reproductive toxicity	:	Not classified
Specific target organ toxicity – single exposure	:	Not classified
Specific target organ toxicity – repeated exposure	:	Not classified
Aspiration hazard	:	Not classified
Viscosity, kinematic	:	No data available
Likely routes of exposure	:	Inhalation. Ingestion. Eyes. Skin.
Symptoms/effects after inhalation	:	Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. irritation of mucous membranes.
Symptoms/effects after skin contact	:	Dust from this product may cause skin irritation.
Symptoms/effects after eye contact	:	Direct contact with the eyes is likely to be irritating.
Other information	:	Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste)	:	Dispose of contents/container in accordance with licensed collector's sorting instructions. Disposal must be done according to official regulations.
Waste treatment methods	:	Recycling is preferred to disposal or incineration. Disposal must be done according to official regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Other information	:	No supplementary information available.
Special transport precautions	:	The information about transport regulations as supplied herein does not cover all technical and operational requirements and, therefore, can not be considered exhaustive. Please check out the guidelines from the regulations of the National Land Transport Agency (ANTT), International Maritime Organization (IMO) and the International Air Transport Association (IATA) before transporting the product. The transporting company is responsible for compliance with the laws, regulations and other rules as may apply to the transport of the material.

Transportation of Dangerous Goods

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

Naphtha, petroleum, light steam-cracked, debenzenized, polymers (68131-99-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. International regulations

CANADA

Naphtha, petroleum, light steam-cracked, debenzenized, polymers (68131-99-7)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Naphtha, petroleum, light steam-cracked, debenzenized, polymers (68131-99-7)
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Data sources : Safety Data Sheet.

Braskem - SDS_US_GHS_HazCom_2012 (modified 190221)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. It warns that the handling of any chemical substance requires the previous knowledge of its hazards for the user. It is up to the user of the product company providing this SDS to and promote the training of its employees about possible risks come upon of the product. The information contained herein is not absolute, but only general information on the use of the chemical and indication of safety and security measures.