

DEBRASEL

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S.A.S with a capital of 67 041 € – RCS NIMES B 315 985 812 – Intra-community Identification: FR 19 315 985 812

SECTION 1- IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier

Trade designation : ALSI 12
Chemical or generic name : Paste mastic for automobile bodywork

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

Area of use : Mastic for automobile bodywork repair
Not to be used with materials in contact with food.

1.3 Details of the supplier of the material safety data sheet

Corporate Name : DEBRASEL
Address : Zone Industrielle Avenue Ampère / B.P.13 / 30600 VAUVERT - FRANCE
Telephone / Fax : (+ 33) 4.66.88.23.65 / Fax: (+ 33) 4.66.88.48.79
Contact : www.debrasel.com

1.4 Emergency Telephone Numbers

Emergency information (Health, Safety) : Local treatment centre for poisoning and Toxic-vigilance cases <http://www.centres-antipoison.net>
(Marseille FRANCE: (+33) 4-91-75-25-25)
Or 112 (all French emergency calls)
National level : ORFILA (+33) 1-45-42-59-59
Number <http://www.ineris.fr/reach-info/jsp/index.jsp?content=orfila>
European level : http://echa.europa.eu/help/nationalhelp_contact_en.asp
<http://echa.europa.eu/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 372 (EC) n°1272/2008 (CLP) and its amendments

Acute Toxicity by inhalation, Category 4 (Acute Tox.4, H332)
Skin Irritation, Category 2 (Skin Irrit.2, H315)
Eye Irritation, Category 2 (Eye Irrit.2, H319)
Flammable solid, Category 2 (Flam.Sol.2,H 228)
Suspected of damaging the unborn child, Category 2 (Repr.2, H361d)
Causes damage to organs through prolonged or repeated exposure, Category 1 (STOT RE1, H372)
This mixture is not hazardous for the environment. No effects on the environment are known of or predictable under normal conditions of use

2.1.2 Conforms to directives 67/548/EEC, 1999/45/EC and its amendments

Flammable (R10)
Harmful by inhalation (Xn, R 20)
Irritating to skin (Xi, R 38)
Irritating to eyes (Xi, R 36)
This mixture is not hazardous for the environment. No effects on the environment are known of or predictable under normal conditions of use

2.1.3 Further Information

The full description of classes and hazardous categories, hazard statements H and R phrases is specified in SECTION 16

2.2 Label elements

Conforms to directives (EC) n°1272/2008 (CLP) and its amendments

Hazardous pictogram



GHS07



GHS02



GHS08

Signal Word:
HAZARDOUS

Product Identifier:
EC 202-851-5 STYRENE

Hazard statements and further information on hazards:

H315 Causes skin irritation
H319 Causes serious eye irritation
H228 Flammable solid
H332 Harmful if inhaled
H361d Suspected of damaging the unborn child
H372 Causes damage to organs through prolonged or repeated exposure

General precautionary statements:

P101 If medical advice is needed, have product container or label at hand

Prevention precautionary statements:

P202 Do not handle until all safety precautions have been read and understood
P271 Use only outdoors or in a well-ventilated area
P280 Wear protective gloves / protective clothing / eye protection / face protection

Response precautionary statements:

P301 + P310 IF SWALLOWED: immediately call a POISON CENTRE or doctor / physician

P302+P352 IF ON SKIN: wash with plenty of water

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P321 Specific treatment (see ... on this label)

2.3 Other hazards

No available data

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

No substance complies with criteria specified in annex II part A of REACH Directives (EC) n°1907/2006

3.2 Mixtures

Identification Index/CE/CAS	Classification (Rég.1272/2008)	67/548/EEC	Nota	Concentration%
STYRENE Index : 601-026-00-0 EC: 202-851-5 CAS : 100-42-5	GHS08, GHS07, GHS02 Warning Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 Flam.liq.3, H226 Repr.2, H361d STOT RE 1, H372	Xn ; R20 Xi ; R36/38 R10		18,95%

Note:

- All our raw material suppliers have been questioned as stipulated in the REACH directive. This Material Safety Data Sheet will be updated as soon as any new information is given by our raw material suppliers.
- The full hazard statements and R phrases text is specified in section 16

SECTION 4 – FIRST AID MEASURES

In general, if unsure or if symptoms persist, always seek medical advice.
NEVER give an unconscious person something to be swallowed.

4.1 Description of First Aid Measures

If Inhaled:

If severe inhalation, move victim to fresh air, keep victim warm and DO NOT allow victim to move. If the victim is unconscious, place in recovery position. Seek medical attention to see if surveillance and symptomatic hospital treatment are necessary. If breathing is irregular or stopped, begin artificial respiration or seek medical attention. Avoid mouth-to-mouth or mouth-to-nose contact.

If in eyes:

Wash eyes with plenty of lukewarm gentle flowing water for 15 minutes maintaining eyelids open. Contact an ophthalmologist if an irritation, visual impairment or redness persists.

If on skin:

Remove contaminated clothing and clean skin thoroughly with gentle flowing water and non-abrasive soap or a suitable detergent. Pay attention to any product situated between skin and clothing, watches, shoes, ...

If the contaminated area is wide spread and/or skin lesions are apparent, seek medical advice or transport victim to an emergency care facility.

If swallowed:

NEVER give anything by mouth.

If small quantity swallowed (less than one mouthful), rinse mouth with water and seek medical advice.

Victim must remain still. DO NOT INDUCE VOMITING.

Seek medical advice and show the label.

If accidentally swallowed, seek medical attention to see if surveillance and symptomatic hospital treatment are necessary, Show label.

If accidentally swallowed, avoid giving water to drink, do not induce vomiting but immediately have the victim transported by medical ambulance to an emergency care facility. Show label

4.2 Most important symptoms and effects, both acute and delayed

Migraine

Dizziness

Fever

Digestive disorders (nauseas)

Irritation of respiratory tract

Irritation of eyes

Loss of bearings

4.3 Indication of any immediate medical attention and special treatment needed

No available data

SECTION 5 – FIRE FIGHTING MEASURES

For small fires use dry chemical powder, carbon dioxide and other gas extinguishers.

5.1 Extinguishing media

Cool packaging near the flames to avoid risk of bursting of under pressure containers

Appropriate extinguishing media

In the event of a fire, use:

- Water spray or fog
- Aqueous Film Forming Foam (AFFF)
- Halons
- Foam
- Multipurpose powder class ABC
- Powders class BC
- Carbon dioxide (CO₂)

Prevent fire fighting effluents from entering sewers or rivers

Inappropriate extinguishing media:

In the event of a fire, do not use:

- Water jet

5.2 Special hazards arising from the substance or mixture

Fire will produce thick black smoke. Exposure decomposing products can cause health risks.

Do not breathe in the smoke.

In the event of a fire, the following can be produced:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)

5.3 Advice for fire fighters

Protective equipment for fire fighters:
Fire fighters will wear self-contained breathing apparatus and protective clothing

Additional information:
Spray nearby containers with water to maintain low temperatures

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Consult protective measures listed in sections 7 and 8

For non-first aid workers:

Due to organic solvents contained in the mixture, remove all sources of ignition and ventilate the premises.
Avoid inhaling the vapours
Avoid all contact with skin and eyes
In the event of large quantities spread, evacuate staff members and only allow a specially trained intervention equipped with protective equipment

For first aid workers:

First aid workers will be equipped with appropriate personal protective equipment (consult section 8)

6.2 Environmental precautions

Contain and collect leakage with non-combustible absorbing materials, e.g.: sand, earth, vermiculite, diatomaceous earth in containers for waste disposal.
Prevent fire fighting effluents from entering sewers or rivers. If the product contaminates lakes, rivers or sewages, inform appropriate authorities.

6.3 Methods and material for containment and cleaning up

Clean preferably with detergent, avoid use of solvents. Use appropriate tools to put the spilled product in a convenient waste disposal container for later destruction. Contact the appropriate waste treatment centre.

6.4 Reference to other sections

Personal protective equipment, see SECTION 8

SECTION 7 – HANDLING AND STORAGE

Precautions relating to storage premises also apply to workshops where the mixture is handled

7.1 Precautions for safe handling

Wash hands after each use
Remove and wash contaminated clothing before further use
Insure adequate ventilation, especially in closed areas.

Fire prevention:

Handle in well ventilated areas
The vapours are heavier than air. They can spread along the floor and may form explosive mixtures with air.
Avoid flammable or explosive concentrations from forming in the air and avoid vapour concentrations higher than the occupational exposure limits.

Avoid electrostatic charges with safety ground connections.

The mixture may build up electrostatic charges: make sure to ground when decanting. Wear antistatic footwear and clothing and floors should be of conducting type.

Use the mixture in areas free of all naked flame or other source of ignition, and electrical equipment must be protected.

Keep containers tightly closed and away from any sources of heat, sparks and open flames.

Only use spark proof tools. Smoking is forbidden.

Access only for authorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8

Take care of instructions on label as well as regulations concerning labour protection.

Avoid inhaling vapours. Industrial use of substance in closed systems. Provide local exhaust suction, as well as general ventilation of premises.

Equally provide breathing apparatus for exceptional short-term work, or for emergency interventions.

In all cases, capture emissions at the source.

Avoid contact of the mixture with skin and eyes.

Avoid exposure – obtain special instructions before use.

Opened containers must be carefully closed and stored in an upright position to prevent any leaks

Forbidden equipment and procedures:

When using it is strictly forbidden to eat, drink and smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Keep out of reach of children

Keep away from food, drink and animal foodstuffs.

Keep away from any source of ignition – Do not smoke.

Store in a well-ventilated, cool and dry room below 30°C,

Keep away from any source of ignition, heat and direct sunlight.

Keep away from strongly acidic materials as well as oxidizers and polymerisation catalysts

Avoid electrostatic build up

The floor of the premises will be waterproof

Packaging:

Always keep in containers that correspond to the material of the original container.

7.3 Specific end use(s)

No available data.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure controls

8.2.1 Appropriate technical controls

Germany – AGW (BAuA – TRGS 900, 21/06/2010)					USA - ACGIH			
CAS	VME	VME	Excess	Remarks	VME	VME	VLCT	VLCT
100-42-5	20 ppm	86 mg/m3	2(II)	DFG, Y	20 ppm	85 mg/m3	40 ppm	170 mg/m3

France (INRS – ED984 : 2008) :						
CAS	VME-ppm	VME-mg/m3	VLE-ppm	VLE-mg/m3	Notes	TMP n°
100-42-5	50	215	/	/	/	84

8.2.2 Personal protective measures, including personal protective equipment

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Mandatory action pictograms for wearing of personal protective equipment (PPE)



Use clean and well-kept personal protective equipment
Store personal protective equipment in a clean place, away from the working area.
When using, do not eat, drink or smoke. Remove and wash contaminated clothing before reusing. Provide good ventilation, especially in closed areas.

Eye / face protection:

Avoid contact with eyes
Wear closely fitting protective glasses in case of splashes
Before handling, wear lateral protection glasses complying with French NF EN 166 standards.
In the event of increased hazards, wear face shield to protect face.
Wearing spectacles is no protection
People with contact lenses are advised to wear prescription eyeglasses when possibly exposed to irritating vapours
Provide showers or and eye baths in workshops where the product is constantly handled.

Hand protection:

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.
For prolonged or repeated handling, use appropriate protective gloves complying French NF EN 374 standards.
The choice of gloves should be made depending on intensity and duration of exposure to skin.
The choice of gloves should be made depending on the job: other chemical products being handled, necessary protective equipment (against cuts, stabs, thermal protection), dexterity needed.
Advised gloves:
- PVA (Polyvinyl alcohol), Viton ; Butyl Viton / rubber; barrier ; silver shield/4H+
Advised characteristics:
- Solvent-resistant gloves complying with French NF EN 374 standards
Non-advisable gloves:
- Natural rubber, butyl rubber, nitrile rubber or neoprene, polyethylene, polyvinyl chloride

Body protection:

Avoid skin contact
Wear appropriate protective clothing
Staff should wear regularly cleaned work clothing.
After contact with product, all parts of the body should be washed.

Respiratory protection:

With this substance, avoid all inhalation of vapours
In the event of inadequate ventilation, wear appropriate respiratory equipment.
If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respiratory equipment
Anti-gas and vapour filters (combined filters) complying to French NF EN 14387 standards

8.2.3 Environmental protective measures

No available data.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

General information

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Physical state	Pasty
odour	styrene
Olfactory threshold	/
Colour	grey

Safety, health and environmental relative information

pH	Unspecified
Boiling point	Unspecified
Flash point	+55.00°C
Lower explosion limit (%)	Unspecified
Upper explosion limit (%)	Unspecified
Vapour pressure	Unspecified
Vapour density	Unspecified
Density	>1
Water solubility	Water insoluble / 0,29Kg/m3 at 20°C
Viscosity	Unspecified
Melting point / range	Unspecified
Self-ignition point / range	490°C
Decomposition point / range	Unspecified

9.2 Other information

VOC (g/l)	182g/l
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SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity

No available data

10.2 Chemical Stability

This mixture is stable under handling and storage conditions specified in section 7

10.3 Possibility of hazardous reactions

Hazardous decomposition by-products may form with exposure to high temperatures, E.G. carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

10.4 Conditions to avoid

Any appliance capable of producing a flame or creating high temperatures for metal surfaces (burners, arcing, ovens...) is forbidden on the premises.

Avoid:

- Accumulation of electrostatic charges
- Warming
- Heat
- Flames and hot surfaces

10.5 Incompatible materials

10.6 Hazardous decomposition products

Thermal decomposition can form / let off:

- Carbon monoxide (CO)
- Carbon dioxide (CO₂)

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system.

Indications for this are (among others): headache, dizziness, vertigo, fatigue, muscular weakness, and in some extreme cases, unconsciousness.
Harmful by inhalation.
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and / or absorption through skin.
Splashing may cause eye irritation and reversible damage.
Some substances within conventionally predict significant injuries which appear and last for at least twenty four hours when applied on an animals eye.
Also that applied on an animal's healthy and intact skin for less than twenty four hours causes significant inflammation which lasts for at least twenty four hours

11.1.1 Substances

No toxicological information available about these substances.

11.1.2 Mixture

Harmful if inhaled
Irritating to eyes and skin

IARC Monograph(s) (International Agency for Research on Cancer):
Cas 100-42-5: IARC Group 2B: The agent is possibly carcinogenic to humans

Substance(s) described in the INRS toxicological sheet (French National Institute for Research and Safety):
Styrene (CAS 100-42-5): See toxicological sheet n°2 of 2016
http://www.inrs.fr/publications/bdd/fichetox/fiche.html?refINRS=FICHETOX_2

Substance(s) described in the INERIS toxicological sheet (French National Institute for Environmental Technology and Hazards):
Styrene (CAS 100-42-5): See reference sheet: INERIS-DRC-11-117259-01616A

SECTION 12- ECOLOGICAL INFORMATION

12.1 Information on toxicological effects

12.1.1 Substances

No aquatic toxicity information is available

12.1.2 Mélanges

No aquatic toxicity information is available

12.2 Persistence and degradability

No available data

12.3 Bioaccumulative potential

No available data

12.4 Mobility in soil

No available data

12.5 Results of PBT and vPvB assessment

No available data

12.6 Other adverse effects

No available data

German regulations relating to Water Hazard Classes (WGK):
WGK 2 (VwVwS vom 27/07/2005, KBws): Hazardous for water

SECTION 13 – DISPOSAL CONSIDERATIONS

This material and / or container must be disposed of in a safe way. Waste disposal according to 2008/98/EC directives

13.1 Waste treatment methods

Do not allow to enter into surface water or drains

Means of disposal: Incineration in registered installations. Cleaned containers may be recycled. Dispose of the product and container following dangerous waste directives.

Waste:

Disposal of waste is done without endangering human health and without damaging the environment, particularly without creating risks for water, air, soil, fauna or flora.

Recycle or dispose of in accordance with applicable legislation, preferably through a registered company or collector. Do not contaminate soil or water with waste; do not dispose of in a natural environment.

Dirty packaging:

Fully empty the container. Keep label on container.
Deliver to a registered centre.

SECTION 14 – TRANSPORT INFORMATION

Transport only in accordance with ADR for road, RID for rail, IMDG for sea, and ICAO / IATA for air transport (ADR 2017 – IMDG 2016 – ICAO / IATA 2017)

14.1 UN number

/

14.2 UN proper shipping name

/

14.3 Transport hazard class(es)

Not classified as dangerous in the meaning of transport regulations

14.4 Packing group

/

14.5 Environmental hazards

/

14.6 Special precautions for user

/

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

No available data

SECTION 15 – REGULATORY INFORMATION

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

See regulations (EC) n°1272/2008 modified by regulation (UE) n° 2016/1179 (ATP9)

Containers must be fitted with child-proof fastenings (See regulations (EC) n°1272/2008, Annexe II, Section 3)
Containers must carry a tactile warning of danger (See regulations (EC) n°1272/2008, Annexe II, Section 3)

VOC labelling for varnish, paints and body repair products (2004/42/EC):

VOC contained in this product ready for use is 182g/l maximum.
European restrictions for VOC in this product ready for use (cat.II Bb) are 250g/l maximum.

Special provisions:

No available data

Table of occupational diseases as specified by the French Labour Code :

Special medical surveillance for employees assigned to work defined in article L 4111-6 and special approved decrees

Hazardous chemical agents: Decree N°2003-1254 of 23/12/2003

Special medical surveillance for employees assigned to work defined by ministerial order: 11 July 1977

Also refer to « BG Chemie » specifications

M 054 « Styrene and Styrene based mixtures »

German regulations relating to Water Hazard Classes (WGK):

WGK 2 (VwVwS vom 27/07/2005, KBws): Hazardous for water

15.2 Chemical safety assessment

No available data

SECTION 16 – OTHER INFORMATION

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws, as the users' working conditions are beyond our knowledge and control.

The mixture should be only used for the recommended purposes in section 1 without the prior written consent of the manufacturer.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information contained herein is to be considered as description of the safety requirements related to this mixture and not to be considered as a guarantee of the mixture's properties.

Contains:

EC 202-851-5

STYRENE

Risk (R) Phrase

R 10

Flammable

R 20

Harmful by inhalation

R 36/38

Irritating to eyes, respiratory system and skin

Safety (S) Phrases

S 1 / 2

Keep locked up and out of the reach of children

S 9

Keep container in a well-ventilated place

S 13

Keep away from food, drink and animal foodstuffs

S 20

When using do not eat or drink

S 21

When using do not smoke

S 24

Avoid contact with skin

S 25

Avoid contact with eyes

S 26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 37

Wear suitable gloves

S 46

If swallowed, seek medical advice immediately and show the container or label

S64

If swallowed, rinse mouth with water (only if person is conscious)



Harmful, noxious, irritating



Health Hazard



Flammable

H phrases, EUH phrases and R phrases text cited in section 2

H 228	Flammable solid
H 315	Causes skin irritation
H 319	Causes serious eye irritation
H 332	Harmful if inhaled
H361d	Suspected of damaging the unborn child
H372	Causes damage to organs through prolonged or repeated exposure

Acronyms and abbreviations :

ADR : European Agreement on the Transport of Dangerous Goods by Road
IMDG : International Maritime Code for Dangerous Goods
IATA : International Air Transport Association
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail
WGK: Wassergefährdungsklasse (Water Hazard Class)
GHS: Globally Harmonized System Of Classification and Labelling of Chemicals
GHS02: Flame
GHS07: Exclamation mark symbol
GHS08: Health hazard
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent