

SAFETY DATA SHEET

Product:
SDS No. : 00548/9

JARYLEC C 101
Version: 2.01

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Cancel and replace. 16/03/2000

01 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

PRODUCT NAME JARYLEC C 101
SDS No. 00548/9
SUPPLIER ATOFINA
D. CHLORE BROME ET DERIVES
Cours Michelet - La Defense 10
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02 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NATURE OF THE PREPARATION MIXTURE BASED ON:
(PHENYL)(TOLYL)METHANE
(PHENYL)(BENZYL TOLYL)METHANE
(CYCLOALIPHATIC EPOXIDE < 1%)

03 - HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS -

04 - FIRST AID MEASURES

SKIN CONTACT Wash immediately, abundantly and thoroughly with water.
EYE CONTACT Wash immediately, abundantly and thoroughly with water.

05 - FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA Dry powder
Foam
Carbon dioxide (CO₂)
Water

SPECIFIC HAZARDS Combustible product (when hot)
At high temperature : Thermal decomposition gives : Carbon oxides

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS In case of fire, wear a self-contained breathing apparatus.

06 - ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTION Prohibit contact with skin and eyes and inhalation of vapours.
ENVIRONMENTAL PROTECTION Do not release into the environment.
Do not let the product enter into drains
Contain by damming.

METHODS FOR CLEANING UP -

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Recovery

Disposal

Pump into an inert labelled emergency container
Absorb the remainder with an inert absorbent material.
Destroy the product by incineration at an approved waste disposal site.

07 - HANDLING AND STORAGE

HANDLING

Technical measures/Precautions

-
Ensure appropriate exhaust and ventilation at machinery.
Provide showers, eye-baths.

STORAGE

Technical measures/Storage conditions

-
Keep Container tightly closed.
Provide a catch-tank in a bunded area.

Incompatible products

Oxidizing agents

PACKAGING MATERIALS

Recommended

-
Ordinary steel

08 - EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE PROVISIONS

Ensure sufficient air exchange and/or exhaust in work areas

PERSONAL PROTECTION EQUIPMENT

Respiratory protection

-
Mask with specific cartridge (organic vapours) (product handled when hot)

Hand protection

Rubber gloves

Eye protection

Safety glasses.

Specific hygiene measures

Avoid contact with skin and eyes and inhalation of vapours.

09 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE (20°C)

liquid

COLOUR

light yellow

ODOUR

aromatic

FLASH POINT

Open cup: 144°C.

Standard : NF T 60 118

AUTOIGNITION TEMPERATURE

459°C (EEC directive 84/449/EEC: Test A15)

VAPOUR PRESSURE

(20°C) : 3.4x 10 EXP(-3) hPa (mbar)

(100°C) : 1.3 hPa (mbar)

DENSITY

liquid :

(20°C) : 1010 kg/m³

(50°C): 999 kg/m³

(80°C): 960 kg/m³

SOLUBILITY

-

Water

(20°C): not miscible

Solvents

Soluble in most organic solvents

PARTITION COEFFICIENT (n-octanol/water)

log Pow = 4.56

OTHER DATA

Flow temperature: < -50°C

Viscosity (20 °C) : 6.5 mm²/s (cSt)

Ignition temperature: 154°C (Standard NFT 60.118)

10 - STABILITY AND REACTIVITY

MATERIALS TO AVOID

Oxidizing agents

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**HAZARDOUS DECOMPOSITION
PRODUCTS
FURTHER INFORMATION**

At high temperature: Thermal decomposition gives : Carbon oxides
The product is stable at ambient temperature
In absence of oxygen :
Stable up to approximately 280°C.

11 - TOXICOLOGICAL INFORMATION**ACUTE TOXITITY**

Ingestion

-

According to its composition, can be considered as :
Slightly or not harmful by ingestion.
LD50/oral/rat = 3 - 10 g/kg

Skin-contact

According to its composition, can be considered as :
Slightly or not harmful by in contact with skin.
LD50/dermal/rat > 2g/kg

LOCAL EFFECTS

Skin-contact

-

According to its composition, can be considered as :
Slightly or not irritating to skin (rabbit)

Eye-contact

According to its composition, can be considered as :
Slightly or not irritating to eyes (rabbit)

SENSITIZATION

Skin-contact

-

Risk of skin sensitization.
(PRESENCE OF: CYCLOALIPHATIC EPOXIDE)

12 - ECOLOGICAL INFORMATION**PERSISTENCE/DEGRADABILITY**

In water

-

Biological degradability: Primary biodegradation: 76 % after 48 d
log Pow = 4.56

BIOACCUMULATION**ECOTOXICITY****AQUATIC TOXICITY**

Acute toxicity

-

Daphnia : EC50, 24 h = 0.91-1.05 mg/l, with solvent
Fish : LC 50, 24 h (Brachydanio rerio) = 11.45 mg/l, with solvent
Fish : LCO, 24 h (Brachydanio rerio) = 5 mg/l, with solvent
Bacteria: EC0 = 1000 mg/l

Long term toxicity

Fish : LC 50, 14 d (Brachydanio rerio) = 2.53 mg/l

13 - DISPOSAL CONSIDERATIONS**DISPOSAL OF PRODUCT**

Destroy the product by incineration at an approved waste
disposal site.

14 - TRANSPORT INFORMATION

ADR/RID

Not regulated

IMDG

Not regulated

IATA

Not regulated

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15 - REGULATORY INFORMATION

EEC DIRECTIVE
SAFETY DATA SHEETS

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D. 91/155/EEC amended by D.93/112/EEC : Dangerous substances
and preparationsEC CLASSIFICATION / LABELLING
DANGEROUS PREPARATIONS

-

Not classified as dangerous

16 - OTHER INFORMATION

RECOMMENDED USES

Dielectric fluid

-

This information applies to the PRODUCT AS SUCH and conforming to specifications of ATOFINA.

In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear.

The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely.

However the revision of some data is in progress.

Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes.

The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive.

It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product.

It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product (usage, storage, cleaning of Containers, other processes) the totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

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