



COMPANY NAME : UNITED CHEMICALS

PRODUCT NAME : RELEASE AGENT PU W 119

CONTACT NO : 9873597319

EMAIL ID : UNICHEM_123@YAHOO.COM

SECTION 2 Hazards identification

Emergency overview

Treat symptomatically. Liquid, white. None under recommended storage and handling conditions (see section 7). Under normal conditions of storage and use, hazardous decomposition products should not be produced. Dust/Mist. The product is non-reactive under normal conditions of use, storage and transport. Not applicable. No dangerous reactions known under normal conditions of use. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Causes skin irritation. Causes serious eye irritation. Harmful to aquatic life with long lasting effects

GHS hazard classification

- Health hazards : Skin corrosion/irritation, Category 2
: Serious eye damage/eye irritation, Category 2
- Environmental hazards : Hazardous to the aquatic environment – Acute hazard, Category 3
: Hazardous to the aquatic environment – Chronic hazard, Category 3
- Other hazards not mentioned above are Not applicable or No data is available.

Label elements

Hazard pictograms (GHS CN) :



Signal word (GHS CN) :

Warning.

Hazard statements (GHS CN) :

- H315 - Causes skin irritation
H319 - Causes serious eye irritation
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS CN)

Prevention measures

- P264 - Wash hands, forearms and face thoroughly after handling.
P273 - Avoid release to the environment.

Incident response

- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 : 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.
 P321 - Specific treatment (see supplemental first aid instruction on this label).
 P332+P313 - If skin irritation occurs: Get medical advice/attention.
 P337+P313 - If eye irritation persists: Get medical advice/attention.
 P362+P364 - Take off contaminated clothing and wash it before reuse.
 Disposal : P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Disposal**Physical and chemical hazards**

No additional information available

Health hazards

Causes skin irritation

Causes serious eye irritation

Symptoms/effects after eye contact : Eye irritation

Symptoms/effects after skin contact : Irritation

Environmental hazards

Harmful to aquatic life with long lasting effects

Other hazards

No additional information available

SECTION 3 Composition/information on ingredients**Product form**

: Mixture.

Ingredient(s)	Concentration or concentration ranges (w/w %)	CAS No.
Water	85 – 90	119-18-4
Resin Mixture	11 – 15	
Tin Catalyst	0.5 – 1.5	Proprietary
Additive	0.55 – 0.6	Proprietary

SECTION 4 First-aid measures**Description of necessary first-aid measures**

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

Take off contaminated clothing.

If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell
Most important symptoms/effects	
Symptoms/effects after eye contact	: Eye irritation
Symptoms/effects after skin contact	: Irritation
Advices for first aid responders	
No additional information available	
Notes for the doctor	
Other medical advice or treatment	: Treat symptomatically

SECTION 5 Fire-fighting measures

Extinguishing media

Suitable extinguishing media	: Water spray Dry powder Foam Carbon dioxide
Unsuitable extinguishing media	: No additional information available

Specific hazards

Hazardous decomposition products in case of fire	: Toxic fumes may be released
---	-------------------------------

Advice for firefighters and protective measures

Firefighting instructions	: No additional information available
Protection during firefighting	: Do not attempt to take action without suitable protective equipment Self-contained breathing apparatus Complete protective clothing

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures	: No additional information available
Personal Precautions, Protective Equipment and Emergency Procedures	: No additional information available

For non-emergency personnel

Emergency procedures	: Ventilate spillage area Avoid contact with skin and eyes
-----------------------------	---

For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment For further information refer to section 8: "Exposure controls/personal protection"
-----------------------------	--

Environmental precautions

Avoid release to the environment

Methods and material for containment and cleaning up

Methods for cleaning : No additional information available

For containment : Collect spillage.

Prevention measures for secondary accidents

Prevention Measures for Secondary Accidents : No additional information available

Other information : Dispose of materials or solid residues at an authorized site

SECTION 7 Handling and storage

Handling

Precautions for safe handling : Ensure good ventilation of the work station
Wear personal protective equipment
Avoid contact with skin and eyes

Hygiene measures : Do not eat, drink or smoke when using this product.
Always wash hands after handling the product
Wash contaminated clothing before reuse.

Local and general ventilation : No additional information available

Storage

Storage conditions : Store in a well-ventilated place.
Keep cool.

Material used in packaging/containers : No additional information available

SECTION 8 Exposure controls / Personal protection equipment

Occupational exposure limits

No additional information available

Biological limit values

No additional information available

Monitoring methods

No additional information available

Appropriate engineering controls

Ensure good ventilation of the work station

Personal protective equipment

Environmental exposure controls : Avoid release to the environment.

Hand protection : Protective gloves

Eye protection : Safety glasses

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s)



SECTION 9 Physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid
Colour	: white
Boiling point	: 100 °C
Specific gravity density	: 1 g/cm ³

SECTION 10 Stability and reactivity

Chemical stability	: Stable under normal conditions
Reactivity	: The product is non-reactive under normal conditions of use, storage and transport
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use
Conditions to avoid	: None under recommended storage and handling conditions (see section 7)
Incompatible materials	: No additional information available
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced
Other properties	: No additional information available

SECTION 11 Toxicological information

Acute toxicity	
Acute toxicity (oral)	: No data available
Acute toxicity (dermal)	: No data available
Acute toxicity (inhalation)	: No data available
Skin corrosion/irritation	
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/eye irritation	
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	
Respiratory or skin sensitisation	: No data available
Germ cell mutagenicity	
Germ cell mutagenicity	: No data available

Carcinogenicity

Carcinogenicity : No data available

Reproductive toxicity

Reproductive toxicity : No data available

STOT - single exposure

STOT-single exposure : No data available

STOT - repeated exposure

STOT-repeated exposure : No data available

Aspiration hazard

Aspiration hazard : No data available

SECTION 12 Ecological information

Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute) : Harmful to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

No additional information available

Persistence and degradability

PU W119

Persistence and degradability : Rapidly degradable

Tin Catalyst (Proprietary)

Persistence and degradability : Rapidly degradable

Resin Mixture

Persistence and degradability : Rapidly degradable

Water (119-18-4)

Persistence and degradability : Rapidly degradable

Additive (Proprietary)

Persistence and degradability : Rapidly degradable

Bioaccumulative potential

No additional information available

Mobility in soil

No additional information available

Other adverse effects

Classification procedure (Ozone) : No data available

SECTION 13 Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Contaminated container and packaging : No additional information available

Additional information : No additional information available

SECTION 14 Transport information

In accordance with JT/T 617 / IMDG / IATA

Overland transport(JT/T 617)	Transport by sea	Air transport
UN number		
Not regulated for transport		
Proper shipping name		
Not regulated	Not regulated	Not regulated
Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
Packing group		
Not regulated	Not regulated	Not regulated
Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

Special transport precautions

Overland transport(JT/T 617)

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated



PRODUCT :- PU W119

WATER BASED RELEASE FOR POLYURETHANE SHOE SOLE

PRODUCT DESCRIPTION

PU W119 is a production proven release coating for moulded polyurethane parts. It provides, fast, easy part removal and high gloss on the molded part. The product is most suitable for shoe soles, which doesn't need painting after moulding.

TYPICAL PRODUCT DATA

Color and AppearanceWhite Emulsion
Dispersing mediumWater
Specific Gravity1.00

KEY PERFORMANCE PROPERTIES

- Easy to apply
- Fast air cure
- No migration
- Improved part appearance
- Reduced rejection
- Non-staining
- No build-up

METHOD OF APPLICATION

PU W119 is ready to use product. It should be applied to a clean, dry surface. All previous used release coatings should be removed by an appropriate method. Spray a thin, even film over the entire surface to be coated and allow drying. Wipe excess release agent with cloth. PU W119 provides high gloss to moulded part. Optimum result is obtained with 0.5 and 0.3mm spray guns.

SAFETY AND HANDLING

The Material Safety Data Sheet on PU W119, which accompanies initial shipment, should be reviewed prior to using the product.

Freezing of the product should be avoided.

PU W119 being water based, has a low order of toxicity. Care should be taken that good industrial handling practices are used. If the product contacts the eyes, minor irritation may result, but flushing with water will minimize any discomfort.

AVAILABILITY

PU W119 is supplied in 5 & 25 litre containers.