

# MATERIAL SAFETY DATA SHEET

Not classified as Hazardous according to criteria of Worksafe Australia

## Silicone Rubber RTV Ace 900

### IDENTIFICATION

Product Name: Ace 900  
 Product Use: Very hard silicone rubber. Low viscosity. Very low elongation and tear strength. High thermal stability and conductivity. Heat resistant up to 320°C and high resistance to polyurethanes and polyesters. Recommended for casting low temperature metals, polyurethanes and polyesters, with only minor undercuts.

UN Number: None allocated  
 Proper Shipping Name: None allocated  
 Dangerous Goods Class: None allocated  
 Subsidiary risk: None allocated  
 Packing Group: None allocated  
 Hazchem Code: None allocated  
 Poison Schedule: None allocated

### PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Physical state: Liquid.  
 Form: Viscous.  
 Colour: Beige.

Odour: Very slight.

pH: Not applicable.

Specific temperature: Decomposition temperature: >200°C

Flammability characteristics: Flash point: >200 (close cup, according to method AFNOR T 60103).  
 Auto-ignition temperature: >40°C (Spontaneous ignition temperature)

Oxidizing properties: Non oxidizing material according to EEC criteria.

Specific gravity: Approx. 1320kg/M<sup>3</sup> at 25 °C

Solubility: In water: Practically insoluble.  
 In organic solvents: Very slightly soluble in:  
 - acetone  
 - alcohol (ethanol)  
 Dispersible (partial solubilisation) in  
 - diethylether  
 - aliphatic hydrocarbons.  
 - aromatic hydrocarbons (toluene, xylene)  
 - chlorinated solvents,

Dynamic viscosity: Approx. 20 Pa.s, at 25 °C

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### INGREDIENTS

Chemical nature: Blend based on polydimethylsiloxanes and silica.

Components contributing to the hazard: None.

### HEALTH HAZARD INFORMATION

Adverse human health effects: May cause eye irritation.

Environmental effects: Presents no particular risk to the environment, provided the disposal requirements (see section below) and national or local regulations are complied with.

Physical and chemical hazards: Combustible.

Classification/Specific hazards: According to EEC criteria, this product is not classified as a "hazardous preparation".

### FIRST AID

Inhalation: Move the affected person away from the contaminated area and into the fresh air. If necessary seek medical advice.

Skin contact: Wipe off as much as possible (using a clean, soft, absorbent material). Wash immediately with plenty of soap and water.

Eye contact: Immediately rinse with water for a prolonged period whilst keeping the eyes wide open. If irritation persists, consult an eye specialist.

Ingestion: Consult a doctor if necessary.

### FIRE - FIGHTING MEASURES

Extinguishing media - Suitable: Foam. Powders. Carbon dioxide (CO<sup>2</sup>).

Not suitable: None to our knowledge. If there is a fire close by, use suitable extinguishing agents.

Specific hazards - Combustible.  
During combustion:  
Toxic and highly flammable gases are released (explosion hazard). Hazardous dust is released.

Specific fire fighting methods: Cool down the containers/equipment exposed to heat with a water spray.

Protection of fire-fighters: Self-contained breathing apparatus.

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### ACCIDENTAL RELEASE MEASURES

Personal precautions -	Personal protective equipment. - safety glasses.
Environmental precautions -	This product does not present any particular risk for the environment.
Methods for cleaning up -	Recovery: Collect up the product and place it in a spare container: - suitably labelled. - with a closing device Keep the recovered product for subsequent disposal.
	Neutralisation: Neutralize non-recoverable product with - dry sand or dry inert absorbent
	Cleaning/Decontamination: Decontaminate and wash the floor with: - an appropriate solvent. Then wash with plenty of water.
	Disposal: Incinerate contaminated materials at an authorized installation.

### HANDLING AND STORAGE

HANDLING -	
Technical measures:	Does not require any specific or particular measures.
Safe handling advice:	Comply with instructions for use (refer to technical sheet). Work outside or in a well-ventilated room. Prior to use, consult the safety data sheet for the corresponding catalyst. Handle in accordance with good industrial hygiene and safety practice.
STORAGE -	
Technical measures:	Does not require any specific or particular technical measures.
Storage conditions:	Recommended: Stable under normal storage conditions
Incompatible products:	Strong oxidizing agents.
Packaging:	Steel drums varnished with epikote. Polypropylene buckets/boxes (outer packaging - cardboard).
Packaging materials:	Recommended: Coated steels. Plastic materials (polyethylene, polypropylene).

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### EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering measures: Ensure good ventilation of the work station.
- Limits (France): 1-Propanol : VME: 500 mg/m<sup>3</sup> (200 ppm).  
Ethanol : VME: 1900 mg/m<sup>3</sup> (1000 ppm).
- Limits (U.S.A/A.C.G.I.H.): 1-Propanol :TLV (MA) = 492 mg/m<sup>3</sup> (200 ppm)  
Ethanol . TLV (TWA) = 1880 mg/m<sup>3</sup> (1000 ppm)
- Surveillance procedures: Personal monitoring.
- Personal protective equipment:  
- Eye protection: Safety spectacles.
- Collective emergency equipment: Eye fountain

### STABILITY AND REACTIVITY

- Stability: Stable at room temperature.
- Hazardous reactions:  
Materials to avoid: Reacts with:  
- strong oxidizing agents.
- Hazardous decomposition products: On contact with a catalyst, during the vulcanisation period (24 hours) flammable vapours are released which may give rise to a fire or explosion hazard.  
1-Propanal - Quantity potentially released: 3.2% of the weight of the mixture.  
Ethanol -Quantity potentially released: 1.3% of the weight of the mixture.  
(Depending on the type of catalyst).  
On combustion forms: (Carbon oxides (CO + CO<sup>2</sup>)).  
(Silica).

### TOXICOLOGICAL INFORMATION

- Acute toxicity: LD 50 skin (Rat).. >2000 mg/kg.  
LD 0 oral (Rat): > 5000 mg/kg.  
(Unpublished work).  
(Results based on a similar product).
- Local effects: May cause slight temporary irritation to ocular mucous membranes.

### ECOLOGICAL INFORMATION

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### MOBILITY:

Precipitation: Slightly soluble product, readily forms deposits.

Expected behaviour of the product: Ultimate destination of the product: SOIL and SEDIMENT.

### DEGRADABILITY:

- Ultimate aerobic biodegradability: Silicone component:  
Not biodegradable.

Persistence: The mineral component is NOT degradable.

### BIOACCUMULATION:

Bioconcentration factor. Not bioaccumulable.

### ECOTOXICITY:

Effects on the aquatic environment: No specific information available, however, by analogy, this product is not considered to present any particular risk to the aquatic environment

## DISPOSAL CONSIDERATIONS

### WASTE FROM RESIDUES:

Destruction/Disposal: Dispose of at a licensed waste collection point.

### CONTAMINATED PACKAGING:

Decontamination/cleaning: Allow it to drain thoroughly.  
Rinse with an appropriate solvent.  
Recover the solvent used for rinsing and incinerate at a licensed site.

Destruction/Disposal: Entrust the thoroughly decontaminated packaging to a licensed waste-contractor.  
Entrust the cardboard packaging to a licensed waste-contractor.

NOTE: The user's attention is drawn to the possible existence of local regulations regarding disposal.

## TRANSPORT INFORMATION

### INTERNATIONAL REGULATIONS:

Land:  
- Railroad (RID/ADR): NOT restricted.

Sea IMO/IMDG: NOT restricted.

Air (ICAO-IATA): NOT restricted.

NOTE: The above regulatory prescriptions are those valid on the date of publication of this sheet.  
Given the possible evolution of transport regulations for hazardous materials it would be advisable to check their validity.

## REGULATORY INFORMATION

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### LABELLING:

EEC regulations:

Mandatory labelling (self-classification) of hazardous materials.  
The corresponding monomers are registered in the EINECS inventory.  
All the other constituents of this preparation are registered in the EINECS inventory.

### CONTACT POINT

#### Contact Point

Technical Manager 61 03 9579 2044

**Disclaimer** The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of or reliance on, this information in inappropriate contexts.