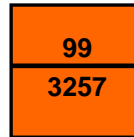


## ADDITIONAL INFORMATION TO THE ADR 2009 INSTRUCTIONS IN WRITING

**UN Number:** 3257  
**ADR/RID Class:** 9  
**Hazard identification number:** 99  
**Packing group:** III



### LOAD

**Proper shipping name:** ELEVATED TEMPERATURE LIQUID, N.O.S. at or above 100°C and below its flashpoint (Bitumen).  
**Name of product(s):** Bitumen  
**Physical state:** Liquid at normal handling temperature / Solid at ambient temperature.  
**Colour:** Brown to black  
**Odour:** Characteristic  
**Solubility:** Insoluble in water

### NATURE OF DANGER

- Contact of hot liquid with skin causes severe burns.
- Overheating of product may result in fire or explosion.
- Contact with water will result in a violent expansion and a danger of boil-over.
- Respiratory problems or nausea may be induced by high concentration of fumes / vapours.

### PERSONAL PROTECTION

- Safety helmet with integrated full face visor and neck protection
- One-piece protective coverall
- Safety footwear covering ankle
- Heat resistant gloves with long sleeves
- High visibility warning vest for each crew member
- During loading/unloading there should be no areas of exposed skin and the face visor must be down!



**Additional equipment:** Local or national regulations may require specific additional equipment to be carried.

### GENERAL ACTIONS TO BE TAKEN BY THE DRIVER

- Stop the engine.
- No naked lights. No smoking.
- Mark roads and warn other road users or persons passing by.
- Inform the public about the hazard and give advice to keep upwind.
- Notify police and fire brigade as soon as possible

### ADDITIONAL AND / OR SPECIAL ACTIONS TO BE TAKEN BY THE DRIVER

- Only take action if without personal risk.
- Avoid direct contact with the product.
- Stop leaks if possible without risk.
- Contain or absorb leaking liquid with sand / earth or suitable material.
- If practicable: use shovel, broom, small collecting container.
- Prevent liquids from entering water courses, sewers, basements and workpits.
- If product has entered a watercourse or sewer or been spilt on soil or vegetation, advise Police.

### FIRE

**Information for the driver in case of fire:**

Do not attempt to deal with any fire involving the load.

**Information for emergency services:**

- Extinguish fire with water fog or fine spray, dry powder, foam, inert gas, carbon dioxide, sand.
- DO NOT use water jet.
- Cool closed containers exposed to fire with water.

### FIRST AID

**In case of burns:**

- Drench burn in cold water for a minimum of 10 minutes.
- Do not attempt to remove the bitumen unless blocking an airway.
- Bitumen acts as a sterile layer and should only be removed by specialist medical care.
- Send person for medical attention immediately.
- If product gets in to the eyes, immediately wash out with plenty of water and get medical attention.

**In case of circumferential burns:**

Where hot bitumen completely encircles a limb or other body part, the bitumen must be softened and/or split to prevent restriction of blood flow during cooling (tourniquet effect).

**In case of respiratory problems:**

- Under safe conditions remove person from contaminated atmosphere into fresh air.
- Seek medical assistance if breathing remains difficult.

### ADDITIONAL INFORMATION

**Date of issue:** 2009-04-24                      **Version:** 1  
**Emergency phone:**

**APPLIES ONLY DURING ROAD TRANSPORT**