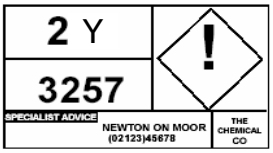
ADDITIONAL INFORMATION TO THE ADR 2009 INSTRUCTIONS IN WRITING

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 above100°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.

ADDITONAL INFORMATION

Date of issue: 2009-04-24 Version: 1

Emergency phone:

APPLIES ONLY DURING ROAD TRANSPORT