

GENERIC COSHH ASSESSMENT

Aerosol CS

Incapacitants

Operational CS Spray

GRA 5.2 (COSHH)

NAME OF SUBSTANCE/PROCESS

Monojet aerosol spray (30 cc) containing lacrymator composition comprising:

CS - orthochlorobenzylidene malononitrile 5% wt/vol
solvent: 4 - methypenton - 2 - one (methyl isobutyl ketone MIBK) propellant: nitrogen

DESCRIPTION OF USE

Use as an incapacitant by police officers

HAZARDS

Toxic Harmful by ingestion and inhalation

Corrosive Not corrosive

Dust Not applicable

Irritant Irritating to skin, eyes and respiratory tracts. Degreases. Causes irritation and damage if taken internally

Flammable Highly flammable : Flash point 17oC

RISK ASSESSMENT

Risk of fire if stored unsuitably.

Irritant to skin, eyes and respiratory tract by direct contact.

EXPOSURE (for MIBK)

18-68ppm

Based on 15 minute time waited average and a one second spray in enclosed space

STORAGE ARRANGEMENTS

Canisters should always be stored in the upright condition. Risk of fire if stored unsuitably or sprayed at naked flame

STORAGE ARRANGEMENTS

The storage arrangements need to take into account:

that the canisters are classified as firearms under section 5 of the Firearms Act [1968]; and

u in accordance with the special requirements of the Highly Flammable Liquids and

Liquified Petroleum Gases Regulations 1972 (HFL Regulations), and HSE guidance booklet HSG 51 on the storage of flammable liquids in containers.

The local Fire Authority should be consulted on the proposed arrangements, who will advise on whether the arrangements for the storage of larger quantities will require to be licensed under the Petroleum (Consolidation) Act 1928.

For storage of less than 14 litres of substance (460 canisters)

Exempt from the Act.

For storage of less than 50 litres of substance (1666 canisters)

Up to 50 litres may be stored in a workroom in a suitably placed bin or cupboard of half hour fire resisting standard which complies with certificate of Approval No 1 of the HFL Regulations (Form F 2434) and is labelled Highly Flammable.

For storage for more than 50 litres but does not exceed 270 litres of substance

All highly flammable liquid should be stored in a secure storeroom which is either in a safe position or in a fire-resisting structure which complies with Certificate of Approval No 1 (Form F 2434).

Naked flames and smoking should be prohibited in storage areas. Depending upon the views of the licensing authority the canisters may need to be stored in a locked, ventilated, metal bin outside the premises. Where even greater quantities are kept it may be necessary to provide a properly constructed petroleum store, details of which would be provided by the licensing authority.

Storage of empty or partly used canisters and those retained as exhibits for evidential purposes

The storage of these should comply with that of full canisters.

FIRE PRECAUTIONS

Highly flammable product

Extinguishing agent: CO₂, powder. Avoid sprayed water
Decomposition may give rise to multivalent toxic products.

SPILLAGES

Precautions - shut off all sources