

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- Product (material) name
- Other names
- Recommended use
- Supplier name/address/telephone no./Emergency phone number

SECTION 2 HAZARDS IDENTIFICATION

- Hazard classification, including a statement of overall hazardous or dangerous nature
- Risk phrase(s)
- Safety phrase(s)

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE

- Chemical identity of the pure substance
- Common name(s), synonym(s)
- CAS Number(s)

MIXTURE

- Chemical identity of ingredients
- Proportion of ingredients
- CAS Number(s) for ingredients

SECTION 4 FIRST AID MEASURES

- Description of necessary measures according to routes of exposure
- Indication of medical attention and special treatment needed including description of most important symptoms, acute and delayed

Additional information

- Aggravated medical conditions caused by exposure*

SECTION 5 FIRE FIGHTING MEASURES

- Suitable extinguishing media
- Hazards from combustion products
- Special protective precautions and equipment for fire fighters

Additional information

- Hazchem Code*

SECTION 6 ACCIDENTAL RELEASE MEASURES

- Emergency procedures
- Methods and materials for containment and clean up

SECTION 7 HANDLING AND STORAGE

- Precautions for safe handling
- Conditions for safe storage, including any incompatibilities

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- National exposure standards
- Biological limit values
- Engineering controls
- Personal protective equipment

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance (colour, physical form, shape).
- Odour.
- pH.
- Vapour pressure.
- Vapour density.
- Boiling point/range.
- Freezing/melting point (specify which).
- Solubility (specify solvent, e.g. water).
- Specific gravity or density.

Information for flammable materials, including:

- flash point and method of detecting flash point;
- upper and lower flammable (explosive) limits in air; and
- ignition temperature.

Additional information

- Specific heat value.*
- Particle size.*
- Volatile organic compounds (VOC) content.*
- Evaporation rate.*
- Viscosity.*
- Percent volatile.*
- Octanol/water partition coefficient.*
- Saturated vapour concentration (include reference temperatures).*
- Additional characteristics not noted above may also be provided if applicable to the material.*
- Flame propagation or burning rate of solid materials.*
- Properties of both flammable and non-flammable materials that may initiate or uniquely contribute to the intensity of a fire (e.g. Class 4 or Class 5).*
- Potential for dust explosion.*
- Reactions that release flammable gases or vapours.*
- Fast or intensely burning characteristics.*
- Non-flammables that could contribute unusual hazards to a fire, such as strong oxidizing and reducing agents or peroxide formers.*
- Release of invisible flammable vapours and gases.*
- Decomposition temperature.*

SECTION 10 STABILITY AND REACTIVITY

- Chemical stability
- Conditions to avoid
- Incompatible materials
- Hazardous decomposition products
- Hazardous reactions

SECTION 11 TOXICOLOGICAL INFORMATION

- Health effects from the likely routes of exposure

SECTION 12 ECOLOGICAL INFORMATION

- Ecotoxicity
- Persistence and degradability
- Mobility

Additional information

- Environmental fate (exposure)*
- Bioaccumulative potential*

SECTION 13 DISPOSAL CONSIDERATIONS

- Disposal methods and containers
- Special precautions for landfill or incineration

SECTION 14 TRANSPORT INFORMATION

- UN Number
- UN Proper Shipping Name
- Class and subsidiary risk
- Packing Group
- Special precautions for user
- Hazchem Code

SECTION 15 REGULATORY INFORMATION

The regulatory status of a material (including its ingredients) under relevant Australian health, safety and environmental legislation.

Additional information

- Additional national and/or international regulatory information.*

SECTION 16 OTHER INFORMATION

- Date of preparation or last revision of the MSDS

Additional information

- Key/legend to abbreviations and acronyms used in the MSDS.*
- Literature references.*
- Sources for data.*