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.