

Dangerous Goods Hazard Identification & Risk Assessment Worksheet



Product details

Date of assessment

Assessor

Product name being assessed

Proper shipping name (if dangerous goods)

UN number Class

Subsidiary risks

Packing group (if assigned)

Is product a combustible liquid? *Flashpoint above 60.5°C Yes/No?*

Physical and chemical hazards

Key issues to address for each class

For gases (generally)

Heavier/lighter than air — where will they collect?

Is it asphyxiating?

Stored under pressure?

Cryogenic (extreme cold hazard)

Class 2.1 Flammable gases

Flammable range?

Class 2.3 Toxic gases

Corrosive sub-risk to consider?

Vapour pressure?

Class 2.2 Non-toxic non-flammable gases

Any health effects?

Subsidiary risks?

Oxidising properties without obvious sub-risk (e.g. chlorine)

Asphyxiation risk?

Are the gases combustible?

Are the gases heavier or lighter than air?

Class 3 Flammable liquids/combustible liquids

Flash point of the liquid

Auto ignition temperature

Flammable range

Boiling point

Flammable, spontaneously combustible, water reactive solids

Storage temperatures to consider

Spontaneous combustion

Melting point

Give off toxic/flammable vapours when wet

Class 5.1 Oxidizing agents

Reactivity with other fire risk goods

What is the melting point of solids?

Class 5.2 Organic peroxides

SADT storage temperatures to consider

Stability of goods

Violent reactivity with incompatible materials

Class 6.1 Toxic substances

Any sub-risks?

Is it also combustible?

Route of entry for uptake

Class 8 Corrosive materials

Alkaline/acidic

pH