



Gloucestershire Warwickshire Steam Railway Plc Ethanol Shield

COSHH Assessment Details

Assessment Id:	COSHH-45032-74	Lead Assessor:	Kevin Jarvis
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Assessment Date:	10 May 2026	Approved By:	Kevin Jarvis

Substance Details

Substance Name:	Ethanol Shield	Substance Use:	Fuel Stabiliser
Manufacturer	B3C Fuel Solutions	Emergency Tel No:	+1-352-323-3500
Address:	108 Daytona Street Conway South Carolina USA		
Form Of Substance:	Liquid, Vapour,	Routes of Exposure	Inhalation, Skin, Ingestion, Eyes,
Storage and Handling	Store in a locked cupboard.		
Exposure Limits			
WEL: 25 ppm	LEL: Unknown	SEL: Unknown	

Substance Classifications



Toxic



Irritant



Serious long
term health
hazard



Dangerous to
the
enviroment

Health Phrases

H226 - Flammable liquid and vapour.
H302 - Harmful if swallowed.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H311 - Toxic in contact with skin.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H335 - May cause respiratory irritation.
H340 - May cause genetic defects
H350 - May cause cancer
H411 - Toxic to aquatic life with long lasting effects.

Precautionary Phrases



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P102 - Keep out of reach of children.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P3 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor/999 if you feel unwell.

Required Personal Protection Equipment (PPE)



Gloves



Respirator



Overalls



Goggles

Control Measures

Current:

- Administrative - Follow manufacturers instructions. - Effective

Potential:

No Potential Control Measures

Score Notes:

Assessment Score

Likelihood of Harm:

- 1) Very low probability – unlikely/once every 20 years

Severity of Harm:

- 3) Injury - > 7 days lost time + RIDDOR reportable

Overall:

Low - Risk to be monitored to ensure it remains adequately controlled to an acceptable level.

Reference Documents

Ethanol Shield MSDS -

Appendix



Gloucestershire Warwickshire Steam Railway Plc Ethanol Shield



Reference: UI-45032-611
Ethanol Shield picture -