



# MAYHEMS SAFETY DATA SHEET

## Mayhems Inhibitor Plus

### 1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1 **Product Identifier:** Mayhems Inhibitor Plus
- 1.2 **Intended Use:** Corrosion inhibitor
- Uses Advised Against:** This product is not recommended for any industrial, professional or consumer use other than the identified uses above
- 1.3 **Manufacturer/Supplier:** Mayhems  
**Address:** Unit 4 Flanshaw Business Park, Kelly Way, Wakefield, United Kingdom, WF2 9FR
- 1.4 **Emergency Telephone No:** +44 0800 048 7045 (09:00 am - 05:00 pm)  
**Email:** [support@mayhems.co.uk](mailto:support@mayhems.co.uk)

### 2. HAZARD IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture

##### Classification – Regulation (EC) No. 1272/2008 (CLP)

- Physical and Chemical Hazards:** Not classified as a physical or chemical hazard  
**Human Health:** Not classified as a health hazard  
**Environment:** Not classified as an environmental hazard

#### 2.2 Label Elements

##### Labelling – Regulation (EC) No. 1272/2008 (CLP)

Not classified as hazardous according to CLP Regulation (EC) No. 1272/2008 – no hazard label

#### 2.3 Other Hazards

This product does not meet the PBT/vPvB criteria of REACH, annex XIII.

### 3. COMPOSITION, INFORMATION, AND INGREDIENTS

COMPONENT	CAS no	EINECS	Concentration (% w/v)	REACH Registration No.
Methyl-1H-Benzotriazole	29385-43-1	249-596-6	<5%	01-2119979081-35--XXXX



**Classification – Regulation (EC) No.1272/2008 (CLP)**

**Acute Tox. 4 – H302**  
**Aquatic Chronic 2 – H411**

**4. FIRST AID MEASURES**

**4.1 Description of First Aid Measures**

**General Information:** When safe to do so remove the victim from the source of exposure giving consideration as to whether this may cause further discomfort to the victim.

**Inhalation:** Move the affected person to fresh air at once. Keep warm in a position comfortable for breathing. If breathing becomes difficult, properly trained personnel may assist the victim by supplying oxygen to ease breathing. Get medical attention if any discomfort continues.

**Ingestion:** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

**Skin Contact:** Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

**Eye Contact:** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**4.2 Most Important Symptoms and Effects, Both Acute and Delayed**

**General Information:** The following symptoms are listed in case of exposure to the 100% neat product.

**Inhalation:** Inhalation of vapours may cause irritation of the upper respiratory tract.

**Ingestion:** May cause discomfort to the stomach if swallowed.

**Skin Contact:** Prolonged and repeated contact may cause mild irritation of the skin

**Eye Contact:** Direct eye contact may cause reddening of the eyes.



#### **4.3 Indication of any Immediate Medical Attention and Special Treatment Needed**

No specific recommendations given, but first aid may still be required in case of accidental exposure, inhalation, or ingestion of this chemical. If in doubt, get medical attention promptly and present a copy of this Safety Data Sheet.

**Notes for the Doctor:**

No specific recommendations. Treat symptomatically.

### **5. FIRE FIGHTING MEASURES**

#### **5.1 Extinguishing Media**

The product is itself not flammable. Use suitable fire-extinguishing media for the surrounding fire.

#### **5.2 Special Hazards Arising from the Substance or Mixture**

**Specific Hazards:** When heated and in the case of a fire, harmful vapours/gases (such as oxides of carbon and nitrogen) may be formed.

**Unusual Fire and Explosion Hazards:** No known unusual fire/explosion hazards known – product not flammable

#### **5.3 Advice for Firefighters**

**Protective Actions During Firefighting:** Move containers away from fire area if this can be done without risk. Keep people away, isolate the fire and deny unnecessary entry. Use water fog to keep fire-exposed containers cool and disperse vapours. Runoff water should be prevented from entering sewers and watercourses.

**Specialist Protective Equipment for Firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and full protective clothing.

### **6. ACCIDENTAL RELEASE OF MATERIAL**

#### **6.1 Personal Precautions, Protective Equipment, and Emergency Procedures**

**Personal Precautions:** In the case of inadequate ventilation, use respiratory protection. Take care with spillages as surfaces may become slippery.

**Protective Equipment:** Wear protective clothing as described in Section 8 of this Safety Data Sheet.



This SDS does not have to comply with Annex II of REACH as the product is not considered hazardous and contains no hazardous components. This is a 'non-mandated SDS'.

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**Emergency Procedures:** Stop leak/release, if possible, to do so without risk. Extinguish all ignition sources if safe to do so. Warn everybody of potential danger and evacuate if necessary.

## 6.2 Environmental Precautions

Do not discharge into drains, water courses or onto the ground. Product classified as harmful to aquatic life with long lasting effects, care should be taken when handling and should not be stored where accidental spillage could release this product into the environment. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

## 6.3 Methods and Material for Containment and Cleaning Up

Absorb spillage with inert, damp, non-combustible material, then flush the contaminated area with water. Containers with collected spillage should be appropriately labelled with the correct contents and hazard labels. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

## 6.4 Reference to Other Sections

Wear protective clothing as described in Section 8 of this Safety Data Sheet. Collect and dispose of spillage as indicated in Section 13.

# 7. HANDLING AND STORAGE

## 7.1 Precautions for Safe Handling

Avoid spilling and contact with the skin and the eyes as well as direct inhalation of sprays and mists. Wear suitable eye protection. Provide good ventilation. Do not eat, drink, or smoke in work areas and wash hands after handling this product.

## 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed, original containers. Keep separate from food, feedstuffs, fertilisers, and other sensitive material. Do not store near heat sources or expose to high temperatures. Keep away from heat, sparks, and open flame.

## 7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

# 8. EXPOSURE CONTROL/PERSONAL PROTECTION

## 8.1 Control Parameters

Name	STD	TWA - 8 Hrs	STEL - 15 Min	DNEL	PNEC
Methyl-1H-Benzotriazole	WEL	Not Available	Not available	No DNEL data available	No PNEC data available



## 8.2 Exposure Controls



### Technical Procedures:

### Engineering Measures:

Methods to prevent or control exposure are preferred. Provide adequate ventilation to minimise the risk of inhalation of sprays and mists.

### Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling this product and at the end of each work shift. Routinely wash work clothing and personal protective equipment to remove possible contaminants.

### Respiratory Equipment:

If ventilation is inadequate, suitable respiratory protection must be worn.

### Hand protection:

PVC/butyl rubber/neoprene gloves are recommended.

### Eye protection:

Wear approved chemical goggles or face shield.

### Skin Protection:

Wear rubber apron or protective clothing in case of contact

### Other Protection:

Wear suitable protective clothing/footwear as protection against splashing or contamination.

### Thermal Hazards:

No specific measures required.

### Environmental Exposure Controls:

Product not classified as an environmental hazard, but contains a substance classified as hazardous to environment. Avoid spillages/runoff entering drains, sewers and watercourses.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1: Physical and Chemical Properties

<b>Appearance:</b>	Clear liquid
<b>Colour:</b>	Straw
<b>Odour:</b>	Mild aroma
<b>Odour Threshold:</b>	Not applicable
<b>pH:</b>	8.7 (diluted solution – 5% in water)
<b>Melting Point / Pour Point:</b>	Approx. 0°C
<b>Initial Boiling Point:</b>	Approx 100°C
<b>Flash Point:</b>	Not applicable – product non-flammable
<b>Evaporation Rate:</b>	No test data available
<b>Flammability:</b>	Product not classified as flammable
<b>Flammability/Explosion Limits:</b>	Not applicable
<b>Vapour Pressure:</b>	No test data available
<b>Vapour Density (air = 1):</b>	No test data available
<b>Relative Density of the Mixture:</b>	1.05 - 1.1
<b>Solubility:</b>	Soluble in water
<b>Partition Coefficient: n-octanol / water:</b>	No test data available
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	No test data available
<b>Viscosity:</b>	See product data sheet
<b>Explosive properties:</b>	Not applicable - product is not classified as an explosive
<b>Oxidising Properties:</b>	Not applicable - product is not classified as an oxidising agent

### 9.2 Other Information

Not determined.

## 10. STABILITY AND REACTIVITY

<b>10.1 Reactivity:</b>	There are no known reactivity hazards associated with this product.
<b>10.2 Chemical Stability:</b>	Stable at normal ambient temperatures and when used as recommended.
<b>10.3 Possibility of Hazardous Reactions:</b>	There are no known hazardous reactions associated with this product.
<b>10.4 Conditions to Avoid:</b>	Avoid excessive heat for prolonged periods of time.
<b>10.5 Incompatible Materials:</b>	Strong acids, strong alkalis, and strong oxidising agents.



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**10.6 Hazardous Decomposition Products:** Thermal decomposition products include oxides of carbon and nitrogen. Potentially hazardous products released due to fire are listed in section 5.2 of this safety data sheet.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

**Acute Toxicity:** No acute toxicity testing has been carried out on this product – the non-acutely toxic classification was determined via calculation.

**Skin Corrosion/Irritation:** This product is not classified as damaging/irritating to the eyes.

**Serious Eye Damage/ Irritation:** Product is not classified as damaging/irritating to the eyes.

**Respiratory/Skin Sensitisation:** Product not classified as a skin/respiratory sensitiser.

**Germ Cell Mutagenicity:** Product is not expected to be mutagenic.

**Carcinogenicity:** Product is not expected to be carcinogenic.

**Reproductive Toxicity:** Product is not expected to damage the reproductive system or harm a developing foetus.

**Evaluation of CMR Properties:** No test data available.

**STOT-Single Exposure:** No test data available.

**STOT-Repeated Exposure:** No test data available.

**Aspiration hazard:** No test data available.

#### **General information:**

*See Section 4.2 of this Safety Data Sheet.*

**Inhalation:** Inhalation of vapours may cause irritation of the upper respiratory tract.  
**Ingestion:** May cause discomfort to the stomach if swallowed.  
**Skin Contact:** Prolonged and repeated contact may cause mild irritation of the skin.  
**Eye Contact** Direct eye contact may cause reddening of the eyes.



## **12. ECOLOGICAL INFORMATION**

### **Ecotoxicity**

The product is not classified as hazardous to the environment.

### **12.1 Toxicity**

No available toxicity data for this product.

### **12.2 Persistence and Degradability**

This product is more than 80% biodegradable.

### **12.3 Bio Accumulative Potential**

Will not bio-accumulate.

Partition coefficient - not determined.

### **12.4 Mobility in Soil**

Product is mobile in soil as it is water soluble.

### **12.5 Results of PBT and vPvB Assessment**

This product does not meet the PBT/vPvB criteria of REACH, annex XIII.

### **12.6 Other Adverse Effects**

Not determined.

## **13. DISPOSAL CONSIDERATIONS**

### **General Information**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with Local Waste Disposal Authority.

### **Disposal Methods**

Dispose of waste and residues in accordance with local authority and/or local sewage treatment plant requirements.





## **14. TRANSPORT INFORMATION**

### **14.1 UN Number**

Product not hazardous for transport - no information required.

### **14.2 UN Proper Shipping Name**

Product not hazardous for transport - no information required.

### **14.3 Transport Hazard Class(es)**

Product not hazardous for transport - no information required.

**Transport Labels:** Product not hazardous for transport - no information required.

### **14.4 Packing Group**

Product not hazardous for transport - no information required.

### **14.5 Environmental Hazards**

Product not classed as an environmentally hazardous substance or marine pollutant.

### **14.6 Special Precautions for User**

Product not hazardous for transport - no information required.

### **14.7 Transport in Bulk According to Annex II of Marpol and the IBC Code**

Product not hazardous for transport - no information required.

## **15. REGULATORY INFORMATION**

### **15.1 Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture**

#### **EU Legislation:**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as amended, incorporating all amendments up to, and including, Regulation (EC) No 588/2018 and Regulation (EC) No 589/2018.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures as amended, incorporating all amendments up to, and including, Regulation (EC) No 776/2017.



**Guidance Notes:**

CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for substances and preparations.

**15.2 Chemical Safety Assessment**

No chemical safety assessment for this mixture has been carried out.

**16. OTHER INFORMATION**

**Hazard Statements in Full:**

The following hazard statements are the hazard statements 'in full' for the components of this mixture and do not necessarily represent the final classifications of this product.

**H302** - Harmful if swallowed.

**H411** - Toxic to aquatic life with long-lasting effects.

Further classification and composition comments

No further classification or composition comments required.

**(i) Indication of Changes**

Safety Data Sheet updated to comply with the new requirements as set out in Regulation (EC) No. 1272/2008 (CLP).

**(ii) Abbreviations and acronyms**

**bw:** Bbodyweight

**CAS No:** Chemical Abstracts Service number

**CLP:** Classification Labelling and Packaging Regulation

**DNEL:** Derived No-Effect Level

**EC:** European Commission

**EC No:** European Chemical number: EINECS, ELINCS or NLP

**ECHA:** European Chemicals Agency

**EINECS:** European Inventory of Existing Commercial Chemical Substances

**ELINCS:** European List of Notified Chemical Substances

**LC50:** Lethal Concentration, 50%

**LD50:** Median Lethal Dose

**PBT:** Persistent, Bioaccumulate & Toxic

**PNEC:** Predicted No Effect Concentration

**REACH:** Registration, Evaluation, Authorisation & restrictions of Chemicals

**SDS:** Safety Data Sheet

**vPvB:** Very Persistent and Very Bioaccumulate

**WEL:** Workplace Exposure Limit



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**(ii) Training Advice**

Product should only be handled by trained operators.

**(iv) Additional Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give advice about the safe handling of the product named in this Safety Data Sheet, for storage, processing, transport, and disposal. The information cannot be transferred to other products. In the case of mixing the product with products or in the case of processing, the information on this Safety Data Sheet is not necessarily valid for the new made-up material.

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<b>By:</b>	<b>F Flynn</b>
<b>Revision Comments:</b>	<b>Review in line with CLP regulation</b>