

**IMI Cornelius UK**  
**PRODUCT SAFETY DATA SHEET**

**1. Identification of the Substance/Preparation & Supplier.**

**Supplier:** IMI Cornelius,  
Russell Way, Bradford Road,  
Brighouse, West Yorkshire, HD6 4LX

**Product Name: Monopropylene Glycol Plus Inhibitors**

**Product Type:** Cooling System Additive

**2. Composition/Information on Ingredients.**

Hazardous component:	Cas No.	Index	Risk Phrases:	Concentration:
Mono Propylene Glycol	57-55-6		None	<50%
Sodium Polyacrylate	Not Listed		None	<1%
n-Alkylated Tolytriazole	80584-88-9	Xn	R22, R41, R43, R52/53	<1%

**3. Hazards Identification.**

Not classified as Hazardous under CHIP regulations. In compliance with Schedule 5, Part II of CHIP, the following inscription must appear on the packaging. "Contains n-Alkylated Tolytriazole. May produce and allergic reaction."

**4. First Aid Measures.**

**Eye Contact:** Flush with plenty of clean water for at least 15 minutes. If irritation persists, obtain medical attention.

**Skin Contact:** Skin contact may cause dryness of the skin. Wash skin with water using soap if available

**Inhalation:** Remove to fresh air, if symptoms persist, seek medical advice.

**Ingestion:** Do not induce vomiting without medical advice. Give nothing by mouth.

**5. Fire Fighting Measures:**

**Flammability:** Not classified as flammable. Hazardous combustion products may include carbon monoxide.

**Extinguishing Media:** Alcohol resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. **Do not use water jet.**

**Protective Equipment:** Standard protective equipment, self-contained breathing apparatus.

**6. Accidental Release Measures.**

Do not allow product to soak into drains or water courses. Prevent contamination of soil and water. Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spills can be slippery.

**7. Handling and Storage.**

**Storage Precautions:** Store at 40°C maximum. Keep in tightly closed containers. Protect from frost.

**Handling:** Avoid contact with skin and eyes. Do not breathe vapour. Observe good standards of industrial hygiene.

**Recommended Materials:** Use stainless steel or mild steel containers or container linings, HDPE suitable.

**8. Exposure Controls/Personal Protection.**

Ingredient Name	8hr TWA	15min STEL
Mono Propylene Glycol	WEL 150ppm, Total vapour & particulate.	-

**Respiratory Protection:** Where airborne exposure levels may be exceeded, use an approved air-purifying respirator.

**Eyes:** Chemical eye goggles should be worn.

**Hand:** Use impervious gloves when prolonged contact could occur.

**Skin:** Use protective clothing. Remove contaminated clothing and wash with soap and water.

**9. Physical and Chemical Properties.**

Appearance	Clear Yellow Liquid	Odour	Slight - characteristic
Boiling Point	>100°C	Water Solubility (20°C)	Miscible
Melting/Freezing Point	<0°C	Flash Point	>100°C
Density @ 20°(c)	1.030 typical		

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## **10. Stability and Reactivity.**

Stability: Stable under normal conditions. Hygroscopic.  
Hazardous Decomposition: May form toxic fumes in a fire.  
Conditions to Avoid: Naked flames, hot surfaces, other high temperature sources, strong oxidising agents

## **11. Toxicological Information.**

Eyes: Not classified as an eye irritant. However contact with the undiluted product is likely to cause some irritation.  
Skin: Not classified as a skin irritant. May cause slight irritation on prolonged contact.  
N-Alkylated Tolytriazole is sensitising to guinea pigs according to OECD 406.  
Inhalation: Low toxicity. Vapour & particulate may cause slight irritation.  
Ingestion: Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Large doses may produce adverse effects on liver, kidney and CNS.  
LD50 Oral (rat) 22.8 gm/kg

## **12. Ecological Information.**

The components of the product exhibit good to moderate biodegradability and are readily broken down by sewage treatment plants. They are not expected to bio-accumulate. Not likely to be hazardous to aquatic life.  
N-Alkylated Tolytriazole is classed as 'Inherently Biodegradable' according to OECD 302B

## **13. Disposal Recommendations.**

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.

Wash out containers with water, running the washings to sewage treatment plant system. Dispose of empty containers in accordance with local and national regulations.

Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

## **14. Transport Information.**

Not Classified.

## **15. Regulatory Information.**

Label for Supply: Not Classified.  
Risk Phrases: Non  
Safety Phrases: Contains n-Alkylated Tolytriazole. May produce and allergic reaction.  
S2: Keep out of reach of children  
S24/25: Avoid contact with skin & eyes

## **16. Other Information.**

Do not mix with other chemicals.

The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations 2002 (CHIP 3).

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

### **Legal Disclaimer:**

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.