



# VX-55

**Additive for Metalworking Fluids (MFW)  
Extends Fluid Life by 50 - 100%**

**Massive Savings on Waste Disposal Costs  
Eliminates Sludge Build-up in Cutting / Cooling Oils**

## Benefits & Savings of using VX-55

- \* Longer Fluid Life.
- \* Increased Tool Life.
- \* Prevents Clogging of Filters, Sprayers and Pipes by sludge and bio-film deposits.
- \* Improved productivity, reduced labour (fewer fluid change-outs, less downtime).
- \* Consistently manufactured quality products.
- \* Reduced costs (reduced purchase and waste disposal costs).
- \* Cleaner, Safer and more Environmentally Sound Working Environment.

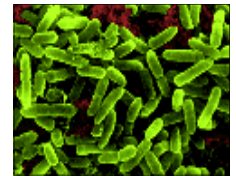


### Safe & Non-Foaming

Compatible with all water soluble cutting and cooling fluids.  
Effective over a wide pH range. Non-hazardous in use.  
Water soluble, non-foaming, biodegradable, effective at low concentrations.  
Good high temperature stability.

### Problem

Control of bio-film in metalworking fluids can be difficult. This bio-film becomes a safe haven for viable micro-organisms to act as a continuous source of contamination to the system causing slime and sludge contamination to degrade the MFW.



### Microbial Growth Causes an Unhealthy Atmosphere

The Metalworking Fluid to become rancid and produce a rotten-egg odour. This impacts fluid performance by causing in-balance in the oil / water ratio. It breaks down the corrosion inhibitor content of the MWF and affects its corrosion protection properties.

### How VX-55 Works

VX-55 works by changing and sequestering the crystalline structure of the bio-film preventing it from forming. Is highly effective at very low levels giving long lasting protection to your metalworking fluid at low cost.

### Dosage Rates for VX-55

Highly concentrated. Maintenance dose 1:1,000. Shock dose 1:500.

### How to Use

Simply add to water when making up solution this will prolong life of your diluted cutting / cooling oil fluid by up to 50% - 100%. Hence dramatically reducing disposal costs.

Engineering&EngineReconditioning/03/2008



## Hydra International Limited

Cerberian House, Carters Lane,

Kiln Farm, Milton Keynes MK11 3ER, U.K.

Tel: 01908-265889 Fax: 01908-262097

Email: sales@hydra-int.com Web Site: www.hydra-int.com



## Material Safety Data Sheet

All the information on this sheet relates to the concentrated product only, in use dilution will decrease any possible hazard significantly.

### Manufacturer

#### Hydra International Ltd

Cerberian House, Carters Lane, Kiln Farm, Milton Keynes MK11 3ER UK

Tell: 01908-265889 Fax: 01908-262097

E-mail: sales@hydra-int.com Web Site: www.hydra-int.com



1. IDENTIFICATION	VX-55	
2. HAZARDS IDENTIFICATION	Irritant	
3. COMPOSITION	An aqueous blend of polymer sequestrants and phosphonates	
4. FIRST AID MEASURES	EYES SKIN INHALATION INGESTION	Flush with copious amounts of water and seek medical advice Wash with soap and water Seek fresh air In the unlikely event of ingestion seek medical aid immediately Give nothing by mouth to an unconscious person
5. FIRE HAZARD & FIRE FIGHTING PROCEDURES	Non flammable	
6. ACCIDENTAL RELEASE MEASURES	SMALL SPILLS LARGE SPILLS	Wash away with large amounts of water Contain and cover spillage with absorbent granules Pick up and hold for waste disposal
7. HANDLING AND STORAGE	Closed containers above 5°C. Do not mix with other chemicals	
8. EXPOSURE CONTROLS AND PERSONAL PROTECTION	RESPIRATORY PROTECTION VENTILATION PROTECTIVE GLOVES EYE PROTECTION  OCCUPATIONAL EXPOSURE LIMIT	Not applicable Not applicable Wear PVC or Rubber Gloves Wear goggles if task or application method could result in eye contact from accidental splash or spray  None
9. PHYSICAL AND CHEMICAL PROPERTIES	PHYSICAL STATE COLOUR ODOUR FLASHPOINT SOLUBILITY SPECIFIC GRAVITY	Liquid Yellow Slight Non Flammable Water Soluble 1.040 + -0.01 @ 20°C
10. STABILITY & REACTIVITY DATA	CHEMICAL REACTIVITY STORAGE STABILITY INCOMPATIBILITY HAZARDOUS DECOMPOSITION AND COMBUSTION PRODUCTS	Stable Stable None None
11. TOXICOLOGICAL INFORMATION	EYES SKIN INHALATION INGESTION	Irritant Irritant Irritant Harmful
12. ECOLOGICAL INFORMATION	Not classified as dangerous to the environment	
13. DISPOSAL CONSIDERATION	As per current rules of local authority	
14. TRANSPORTATION INFORMATION	Not dangerous for transport	
15. REGULATORY INFORMATION	LABELLING INFORMATION	
<b>RISK PHRASES</b>	R36/38 R43	Irritating to eyes and skin May cause sensitization by skin contact
<b>SAFETY PHRASES</b>	S24/25 S26 S37	Avoid contact with skin and eyes In case of contact with eyes rinse immediately with plenty of water and seek medical advice Wear suitable gloves
<b>HAZARD SYMBOL</b>	Irritant	
16. OTHER INFORMATION	1st February 2008	

The information contained in this document is provided in accordance with the requirements of Chemicals (Hazard Information & Packing) Regulations. The product should not be used for any purpose other than as stated on the label without obtaining specific written instructions directly from the supplier's Head Office. As specific conditions of use are outside the supplier's control the user is responsible for ensuring the requirements of relevant legislation are complied with. The user assumes all liability for damage or injury caused from abnormal use, failure to follow recommended practices & any hazard inherent in the nature of the product.