



Health, Safety and Environmental Affairs – HMIS

HMIS RATINGS

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PPE	A

Above is the visible part of the Hazardous Materials Index System or HMIS. This system is used by industry to quickly communicate health and safety information in a uniform visual manner to the end user of the product. This voluntary system was created to provide a quick reference to critical H&S information.

The information found in the HMIS code box can also be found on the MSDS, Section 16. The HMIS data on the Master Chemical MSDS provides HMIS and NFPA (another similar system) data for both the metalworking fluid concentrate and the diluted working solution.

To properly use and understand both the HMIS and the MSDS, the user needs to be properly trained.

The HMIS box provides relative safety ratings on a scale of 0 to 4 in three areas: Health, Flammability, and Reactivity and in the fourth and final area, makes a recommendation about Personal Protective Equipment (PPE or PP) safety.

Assigning the specific numbers is subjective in nature and Master Chemical has traditionally taken a very conservative approach to H&S issues. When in doubt we will always “over warn” to reflect our opinion that all chemistry is safe if it is properly used and controlled, but should never be treated without proper respect. Approximately 1-2% of the population experiences irritation from use of cosmetics so it is not difficult to theorize that some percentage of the population might experience irritation when exposed to the MWF concentrate. Therefore we choose to use “1” instead of “0” in our MSDS.

The HMIS number code is as follows:

0 Minimal Hazard = no significant risk to health

1 Slight Hazard = irritation or minor, reversible injury possible

2 Moderate Hazard = temporary or minor injury may occur

3 Serious Hazard = major injury likely unless prompt action is taken and medical treatment is given

4 Severe Hazard = life-threatening, major or permanent damage may result from single or repeated exposures

Master Chemical is committed to the concept that we will deliver the safest possible product and to insure this, do extensive toxicological testing performed on commercialized products to verify the nature of the working solutions. This information is published in Section 11 of the MSDS.

NOTES

1. For additional information on this subject contact your Master Chemical District Manager, Authorized Distributor, Tech Line (800-537-3365 North America only) or our website (www.masterchemical.com/8/8c-frames.html).



master chemical corporation

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