

Instruction for the use of:

List of Substances for Metal Working Fluids according to DIN 51385 for metalworking



vsi-schmierstoffe.de



To whom it may concern,

The List of Substances for Metal Working Fluids according to DIN 51385 for metalworking" has been launched meanwhile in the twenty-fourth revision, dated December 05, 2024.

How will you use the agreements and information of this list, which has evolved out of the co-operation between metal working fluid manufacturers and users, IG Metall [labour union „Metals“] and Berufsgenossenschaft [employers' liability insurance association]?

First and foremost we recommend a sample letter directed to the MWF manufacturer (see attachment), in which you refer to compliance with the list of substances for metal working fluids and request product related information. The list is built up as follows:

1. General

This defines the area of responsibility (human health and environment protection at MWF workstations) and gives a brief overview on existing rulings as well as it provides hints for risk assessments.

2. Requirements

A brief rationale is provided, as to why substances (or mixtures thereof) have been adopted into the following lists.

3. List of Substances

3.1a Prohibited Substances

Substances listed in here should not or only within the allowable maximum concentrations be constituent of the „frame“ formulation at hand.

3.1b Substances with restrictions of use or undesirable substances

Despite a use has not been legally prohibited these substances may only be used within the given concentration limits and/or upon agreement with the user. Substances which may cause unjustifiable technical problems when utilized are also adopted in here.

3.2 Substances with threshold values / concentration limits

and

3.3 Declarable substances (with occupational medicine/toxicology or ecological relevance)

Following information on these substances is required for the preparation of risk assessments:

- Is the state of the art regarding air quality – when exposed to MWF - met?
- Are air threshold limits of contained substances met? (refer to guidance documents of Berufsgenossenschaft Holz und Metall, DGUV and of VSI)
- Is there a risk of skin allergies from sensitizing substances?
- Are there environmental risks?
- Which protective measures must be applied?

3.4 Declarable substances (due to process related reasons)

Substances listed here are only adopted for technical reasons.

Appendix I - Substances with no final occupational medicine/toxicology or technical assessment

Substances listed here cannot be assessed yet regarding their effect on humans. Currently there are research projects underway, the setting of standards has not been completed yet, or producer statements are in doubt.

Appendix II - Biocidal substances for metalworking fluids - information gathering, application and advice

In appendices IIa and IIb information on chemical characterization, classification and labelling, and water hazard class can be found.

In appendix IIc application related information and experience can be found.

Glossary und set of rules: Overview on abbreviations used and regulations cited.

Contact: You've got questions? Don't hesitate to send us an e-mail – we are happy to help.

<< Company data and company logo >>

<< company address >>

Our reference:

Phone:

Fax:

E-Mail:

Date:

Dear Sirs,

In order to warrant a preferably little exposure of our employees and the environment when using your auxiliary and process materials in our company and in order to respond in the event of damage with appropriate counter measures, we ask you to provide us with the following information on your a.m. product:

1. Technical data sheet
2. EC-Safety Data Sheet (up-to-date issue) according REACH
3. WGK-assessment (*water hazard class*)
4. Compliance with VKIS-VSI-IGM-BGHM list of substances, issued xx.12.2024.
5. Skin compatibility assessment
6. Generic („frame“) formulation (confidential, for occupational physician only)
7. Types of biocides (e. g. formaldehyde releaser)
8. Sample operating instructions

Optional:

1. Data and –inspection sheet of users (formerly known as “VKIS-sheets”)
2. Data regarding ultra-filterability particularly compatibility with membrane (cleaners and water mixed metal working fluids)
3. Compatibility with plastic, conforming to VDI 3035 (e. g. paints, elastomers).

Data you are making available are for internal use only.

We do expect you to support us in the compilation of the operating instruction as well as with the risk assessment and that you fulfil the guidelines of a. m. list of substances (item 4) in the course of the supply contract with our company.

We ask you to send the information to << **person in charge, company address** >>

Thank you in advance for your efforts!

Regards