

RESTRICTIONS ON USE OF HARMFUL SUBSTANCES USED IN PRODUCTS

CONTENT

1	scope and field application
2	general
3	definitions
4	requirements
5	overview of black and grey list substances
6	references
7	change history
Annex 1	supplier guidelines on IMDS Material datasheets (MDS) for DAF Trucks NV and Leyland Trucks Ltd

1 SCOPE AND FIELD OF APPLICATION

1.1 Scope

This standard provides an overview of, and the rules for, the use of harmful substances which shall not, or only within limitations, occur in or on DAF products.

1.2 Field of application

The requirements specified in this standard apply to all internal and external produced products of DAF and for internal production processes at DAF in which the aforementioned products are produced.

2 GENERAL

This standard does not absolve the supplier from his own responsibility to meet legislation and regulations in force. This applies in particular to the REACH legislation which establishes specific requirements to the production, import and supply of substances by themselves and substances contained in mixtures and products.

This standard is prepared to meet (both national and international) legislation and regulations in force within the sales area of DAF which set requirements for substances in view of the harmfulness to health and environment, and to prevent risks with respect to:

- health of human beings and animals;
- pollution of the environment;
- industrial and occupational safety.

3 DEFINITIONS

Term	Definition
DAF	DAF Trucks NV with its statutory seat in Eindhoven, The Netherlands and/or Leyland Trucks Ltd. with its statutory seat in Leyland, United Kingdom and/or DAF Trucks Vlaanderen NV with its statutory seat in Westerlo, Belgium.
Supplier	The company or the individual which undertakes to deliver Production Goods or Products to DAF.
Harmful substances	Any substance which is recorded by any government body as a possible source of harm to the health of personnel, the user or environment.
Personnel	Persons working in the production process and the maintenance process for DAF products.
User	User of a product produced by or for DAF.
Environment	The physical, not-living and living, surroundings of the society with which it has a mutual relationship.
Black list substances	Substances which are registered by DAF as prohibited and therefore not permitted to be present in products supplied to DAF.
Grey list substances	Substances which may not be used without the written permission of DAF in products supplied to DAF.
IMDS	<u>International Materials Data System</u>
REACH	<u>Registration, Evaluation, Authorisation and restriction of Chemical substances</u> . European legislation for the purpose of protecting public health and the environment by way of better and earlier identification of the (dangerous and harmful) properties of chemical substances. For more information see clause 6.3.
SUNSET DATE	Date after which substances as mentioned in REACH ANNEX XIV may not be used unless an application specific authorisation is granted.

4 REQUIREMENTS

4.1 Black list substances

Harmful substances according to clause 5.1 shall **NOT** be present in products supplied to DAF above concentrations permitted by the European legislation.

4.2 Grey list substances

Harmful substances according to clause 5.2 shall **NOT** be used in products supplied to DAF without the permission of DAF (via DAF acceptance of the IMDS sheet or alternatively via form SF 5790^{REF 6.1}).

Notes:

- Changes to the composition of products which contain harmful substances specified in this standard shall only be made following a written declaration of approval from DAF- via either DAF acceptance of a modified IMDS sheet or alternatively via form SF 5790^{REF 6.1}.
- If requested, a statement on the absence of certain harmful substances from products (a not present declaration) must be made available.
- In case harmful substances are present, on request of DAF the supplier must also provide any information on the method of removal or destruction.
- If there is a duty of recall in order to comply with a government requirement, DAF may require that this obligation be taken over by the supplier in question.

4.3 REACH

With effect from 1 December 2008, only substances, preparations and registration compelled articles can be manufactured or imported into the EEA if they are preregistered and, if applicable, are registered in accordance with the REACH legislation.

REACH also requires suppliers to communicate without delay to customers if products supplied contain more than 0.1% of substances mentioned in the REACH Candidate List.

Substances subject to authorisation (REACH ANNEX XIV) shall not be manufactured or imported into the EEA after the SUNSET DATE unless an application-specific authorisation is granted.

Restricted Substances are listed in REACH ANNEX XVII and shall not be manufactured, imported or be present in products.

4.4 IMDS

To enable efficient communication on the content of (harmful) substances in DAF products, an IMDS data sheet shall be made available for each product. The data sheet shall comply with the requirements in the IMDS and supplier guidelines, as found in the annexes to this standard.

5 OVERVIEW OF BLACK AND GREY LIST SUBSTANCES

5.1 Black list substances

- Asbestos fibres.
- Chloro-fluoro-carbons (CFC) and other Ozone depleting substances.
- Cadmium and cadmium compounds.
- Mercury and mercury compounds.
- Radioactive material.
- Substances in REACH ANNEX XIV for which the SUNSET DATE has passed but no authorisation has been granted.
- Restricted substances as specified in the most recent version of the REACH ANNEX XVII.

Note:

The radioactive level of all materials must in all cases be lower than the level to which persons may normally be exposed; this is 1 mSv (milliSievert) per year. The exposure per incident may not be higher than 0.1 mSv per year. This is also below the average background radiation from natural sources (ground, space, etc.) as established by UNSCEAR (United Nations Scientific Committee on the Effects of Atomic Radiation); this is 2.4 mSv per year.

5.2 Grey list substances

- All Substances as mentioned in the most recent version of the REACH "Candidate List of Substances of Very High Concern for Authorisation" - for as far as present above 0,1% in weight.
- Substances in REACH ANNEX XIV for which the SUNSET DATE has passed (even if an authorisation has been requested or granted or if an exemption is valid!).
- Chromium VI based hard chrome, decorative chrome and conversion coated parts belong to the grey list substances.

6 REFERENCES

6.1 DAF standards

DAF Form: Request for approval Use of substances according to TLV 00805-102
<http://www.daf.com/en/about-daf/daf-trucks-nv/suppliers/content/how-to-apply#!environment>

6.2 External Standards

Not applicable

6.3 Other data

European Automobile Manufacturers' Association; REACH
<http://www.acea.be/industry-topics/tag/category/reach>

CLEPA; Automotive Industry Guide to REACH
<http://www.clepa.eu>

IMDS
www.mdsystem.com

DAF requirements for IMDS sheets
<https://public.mdsystem.com/en/web/imds-public-pages/oem-specific-info>

REACH List preregistrations
<http://echa.europa.eu/web/guest/information-on-chemicals/pre-registered-substances>

REACH List registrations

<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>

REACH Candidate List

<http://echa.europa.eu/web/guest/addressing-chemicals-of-concern/authorisation/substances-of-very-high-concern-identification/candidate-list-of-substances-of-very-high-concern-for-authorisation>

REACH ANNEX XIV - Authorisations

<http://echa.europa.eu/addressing-chemicals-of-concern/authorisation>

REACH ANNEX XVII – Restrictions

<http://echa.europa.eu/web/guest/addressing-chemicals-of-concern/restrictions/list-of-restrictions>

7 CHANGE HISTORY

Table 1: Change history

Issue	Date	Paragraph	Changes / Remarks
12	Oct. 2015	5.2 6.1 6.3 6.3	Added end date chromium VI. Changed DAF hyperlink. Changed ACEA hyperlink. Changed CLEPA hyperlink.
13	Nov. 2015	4.2 5.2	Reference to the IMDS database added. Chromium VI text changed.
14	Aug. 2016	4.2	Included IMDS Notes: <ul style="list-style-type: none"> • “IMDS” added. • “The supplier must provide on request information...”removed.
		4.4	Added requirement to supply IMDS sheet and supplier guidelines
		Annex 1	Annex 1 added. “Supplier guidelines on IMDS Material datasheets (MDS) for DAF Trucks NV and Leyland Trucks Ltd”.

ANNEX 1:**DAF IMDS REQUIREMENTS**

The most recent version of the DAF requirements can be found at:
<https://public.mdsystem.com/en/web/imds-public-pages/oem-specific-info>

SUPPLIER GUIDELINES ON IMDS MATERIAL DATASHEETS (MDS) FOR DAF TRUCKS NV AND LEYLAND TRUCKS LTD**CONTENT**

- 1 IMDS process**
 - 1.1 Introduction
 - 1.2 Reporting process
 - 1.3 Approval process
 - 1.4 Re-submission and change management
- 2 MDS Structure**
- 3 Formal Requirements**
 - 3.1 Supplier Number
 - 3.2 Part Name
 - 3.3 Part Number
 - 3.4 Drawing number
 - 3.5 Drawing Change Level

1 IMDS PROCESS

1.1 Introduction

The International Material Data System (IMDS) is a web-based system for reporting of part material composition data along the whole Automotive Supply chain to the OEMs. The OEMs need this data to be able to prove compliance with international legislations on, for example, substance restrictions, substance information duties and vehicle recycling rate targets. It also allows OEMs and suppliers to work proactively with substitution of hazardous chemicals.

This document describes the requirements on reporting to IMDS concerning substances in and material composition of products (IMDS reports) supplied to DAF Trucks NV and Leyland Trucks Ltd., in this document referred to as DAF/LTL.

The reporting requirements apply to product-related (automotive) parts purchased by DAF/LTL from their suppliers (tier-1). The tier-1 suppliers are responsible for ensuring that these requirements are cascaded to their suppliers and respective sub-suppliers (tier-N suppliers).

This standard covers product related parts, i.e. parts used for the fabrication of other parts or complete vehicles, spare parts or other parts that are present in DAF/LTL's final product at the point of sale. Product-related parts are usually formed, solid articles but may also contain liquids like lubricant-oil or grease. Product-related parts include chemicals in their cured form present in the final product such as surface treatment material.

This standard does not cover non-product related parts i.e. parts used in manufacturing processes but which do not remain in the product at the point of sale. Production process chemicals, tooling and machinery are examples for non-product related parts.

This standard does not apply to reporting of substances and material composition of parts, materials or chemicals used for packaging or temporary protection of supplied parts during transport processes.

The IMDS Steering Committee has developed and posted Recommendations for data entry and structure. These recommendations can be found at the Recommendation link after login at IMDS. For everything not listed in this document, the IMDS recommendations apply.

1.2 Reporting process

Online registration by each supplier is necessary in order to use IMDS.
 IMDS Home Page: <http://www.mdssystem.com/>

The supplier shall start developing a MDS for the specified part after receiving a series-production-approved DAF/LTL part drawing or equivalent documentation and send its IMDS ID to IMDS@daftrucks.com.
DAF will send a MDS request to the supplier through the IMDS system. The supplier has to make sure that the check-box **“MDS request received”** in **IMDS Administration/Personal settings/Subscribe e-mails for the following events** is selected to receive an email notification!

Subscribe e-mails for the following events

MDS Request rejected For all MDS Requests ▼

Own MDS Request due For all MDS Requests ▼

Days 0 ▲▼

MDS Request MDS Request received
 Received MDS Request due

Days 0 ▲▼

MDS Request deleted

The supplier shall send the MDS to DAF Trucks NV (IMDS ID 7740), **the MDS will only be accepted by DAF if it is a reply to a MDS request.**
 The MDS of the specified part shall be submitted 4 weeks after the supplier has received an order for the part .

1.3 Approval process

Following upon the receiving of the MDS, DAF performs a MDS review and takes a decision in accordance with one of the following alternatives:

- Accepted: The MDS complies with requirements.
- Rejected: The MDS is not accepted; the reported MDS for the part does not comply with requirements. The MDS shall be re-worked according to instructions given in the rejection motivation text field. IMDS Error codes and correction instructions are given at IMDS public pages/FAQ/List of Errors and Corrections in IMDS.

If an MDS is rejected by DAF then the supplier shall correct and re-send the MDS as well as other information (if required in the reject text motivation) within two weeks to DAF. The same MDS (ID and version number) shall be used for re-submission.

1.4 Re-submission and change management

See section 3.2 of IMDS Recommendation 001. This section describes the conditions under which MDSs shall be revised, updated and/or re-submitted.

2 MDS STRUCTURE

The MDS sent to DAF must always follow the latest IMDS Recommendations and DAF standards. The materials need to be described in their homogeneous and (in the case of process materials like lacquers, adhesives etc.) cured state. The usage of liquids, reactive substances, starting products and gases is only allowed if they are indeed contained in the final product.

3 FORMAL REQUIREMENTS

The following formal requirements have to be fulfilled in order to guarantee the correct data exchange with DAF Trucks internal systems. The required data must be entered into the appropriate recipient specific fields when sending or proposing the MDS.

In most cases DAF/LTL part number and supplier number will already be filled in the IMDS request from DAF to the supplier. Recipient specific fields that should not be filled by the supplier will be blocked by DAF in the MDS request.

3.1 Supplier Number

The DAF/LTL supplier number has to be filled in the field "Supplier Code" of MDS recipient data. DAF/LTL supplier number consists of a 5 digits number.

Do not use the DUNS number.

E.g. Supplier Code.: 99999

3.2 Part Name

The name of the part/semi-component must be entered according to the DAF/LTL drawing and CAD files in the field "Name" of MDS recipient data. This entry must be in English.

3.3 Part Number

Please enter the DAF/LTL part number, not your internal supplier part number in the field "Part/Item No." of MDS recipient data.

The DAF part number consists of 7 digits. Additions to this number separated by a dot or slash must not be filled in IMDS. (Do not use blanks in between digits).

LTL part numbers have several formats that deviate from the DAF format.

E.g. Part No.: 1234567

3.4 Drawing number

The drawing number must be entered in the field "Drawing No." of MDS recipient data, according to the DAF/LTL drawing (excluding the revision number of the drawing). In case there is no drawing number available, the symbol "-" should be entered.

3.5 Drawing Change Level

The revision number of the drawing must be entered according to the DAF/LTL drawing.