

## International Material Data System

IMDS Recommendation	IMDS 005
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### Leather

## 1 Purpose

This standard describes the general requirements for creation of Material Data Sheets for leather within IMDS.

## 2 References

IMDS 001, IMDS 011, IMDS 012

## 3 Definitions

Leather should be implemented as semicomponent.



The skin and finish should be edited as material



The substances remaining in and on the skin have to be declared.  
The range for the substances can be max. +/- 5 % of weight.



The declaration of substances has to be done according VDA / VCI agreement from 17.10.2001.

In the **semicomponent „name of Leather article“** the article name should be specified.

The subordinate material layers describe the tanned leather and the finish. In the name for the tanned leather the animal (cow / water buffalo) and the kind of tanning (chromium or vegetable tanning) are mentioned.

The **finish** is described by the resin components named in table 1, pigments and the other substances remaining in and on the finish.

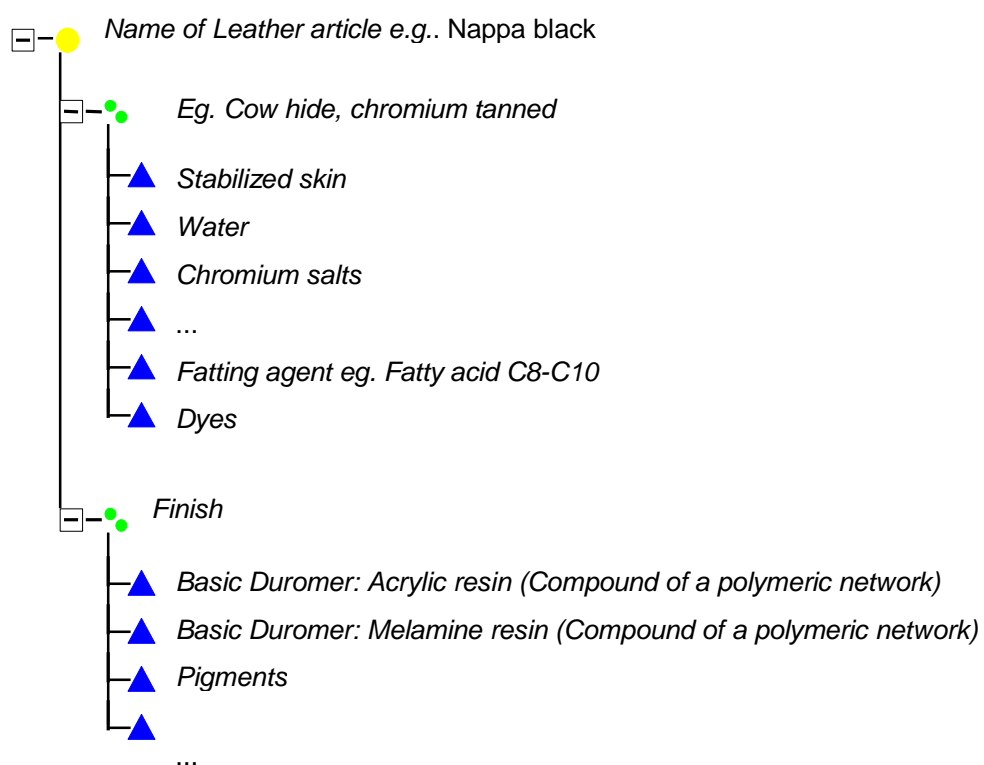
**The link of the semicomponent to the part is done by the processor (this includes sets of stamped parts)**

If possible the semicomponent should be labeled with the part / item number of the OEM.

**Wildcards** may only be max. 5 % of the entire semicomponent. A wildcard is e.g. a substance like „Miscellaneous“. „Basic Duromer: Acrylic resin (Compound of a polymeric network)“ does not count as a wildcard.

## 4 Examples

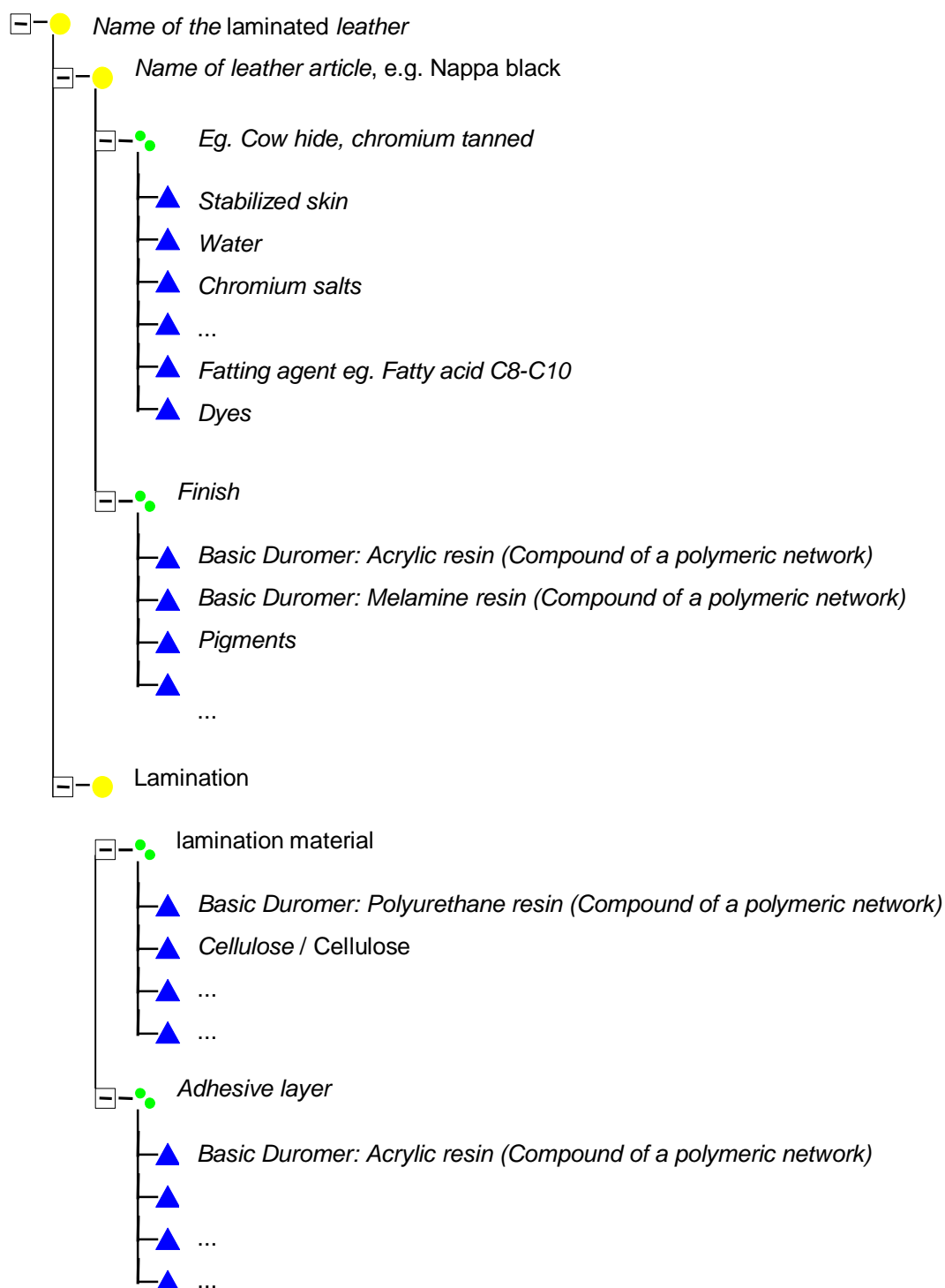
### 4.1 Description of a leather article



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## 4.2 Description of a laminated leather





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1	Basic Duomer: Acrylic resin (Compound of a polymeric network)
2	Basic Duomer: Cellulose Acetate Butyrate resin (Compound of a polymeric network)
3	Basic Duomer: Melamine resin (Compound of a polymeric network)
4	Basic Duomer: Nitrocellulose resin (Compound of a polymeric network)
5	Basic Duomer: Polyester resin (Compound of a polymeric network)
6	Basic Duomer: Polyurethane resin (Compound of a polymeric network)
7	Basic Duomer: Siloxane resin (Compound of a polymeric network)

Table 1: most common binders

**5 Release and Revisions****5.1 Release**

The recommendation was first approved and released on 19.02.2003.

**5.2 Revision**

Rev.	Date	Description / Reason	Originating Organization / Committee
1	Nov. 2017	Editorial changes, deletion of German text	IMDS SC