



#207

# Material Declaration Training

## Decomposition of BoMs

for Item Visibility & Building an MD BoM

*This 'Quick Start' guidance can be used by you, colleagues and suppliers to quickly understand the basics of collecting Material Declaration (MD) data for your product(s)*

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# Material Declaration Training

## 100 Series: Material Regulations

Regulation Overviews  
RoHS  
REACH  
Conflict Minerals  
CA Prop 65  
Canada DSL

## 200 Series: Reporting Parts

Workflow & Examples  
Reporting Options  
Report Training & Templates  
Supplier Data Requirement  
Letter Templates  
Supporting Details

You  
Are  
Here

## 300 Series: Project Management

Assessment  
Planning  
Execution  
Simplified Reporting  
Advanced Techniques  
Additional Resources

Training materials may be found on web page:  
<http://rohsready.org/training.html>



# Roster of Training – 200 Series

## Reporting Material Declarations

- #200 - Reporting a Part (Item)
- #201 - Selecting a Reporting Option
- #202 - Reporting in FMD Format
- #203 - Reporting in Specific MD Format
- #204 - Template for FMD Format
- #205 - Template for Specific MD Formats
- #206 - Supplier Requirement Letter Template
- #207 - Decomposition of BoMs (for Items & Building an MD-BoM)
- #208 - Material and Substance Identification & Weights
- #209 - RoHS Exemptions
- #210 - Substance Not Specifically Reportable
- #211 - Reviewing MD inputs from suppliers
- #212 - Applicability and Exceptions
- #213 - Units Conversion Guide

You are Here



#207

# Decomposition of BoMs

for Item Visibility & Building an MD BoM

This guidance will help you learn recommended methods for planning and executing your Material Declaration data collection project

Key topics:

Staple Remover Example

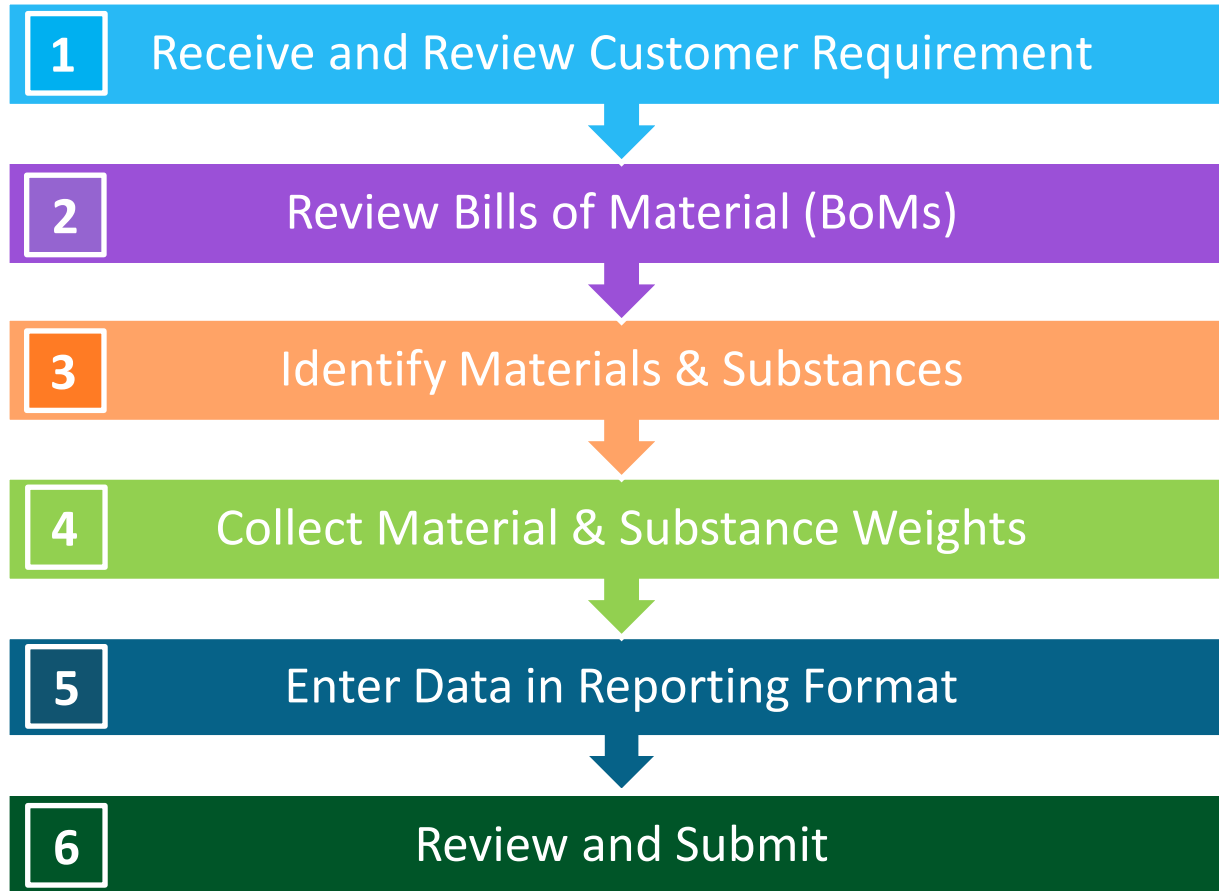
Decomposition of Part & BoM

Building an 'MD BoM'

Reference  
from #200

# Basic Workflow

for  
Material Declaration (MD) Reporting





# Staple Remover Example

Decomposing an Assembly

↳ to the Parts

↳ to the Materials

↳ to the Substances  
for

## FSD Reporting

(also supports alternative reporting)

Ref – Steps 2 thru 4 on prior slide



# Staple Remover Example

‘Jaws’





# Staple Remover Example

## Partially Disassembled







# Staple Remover Example

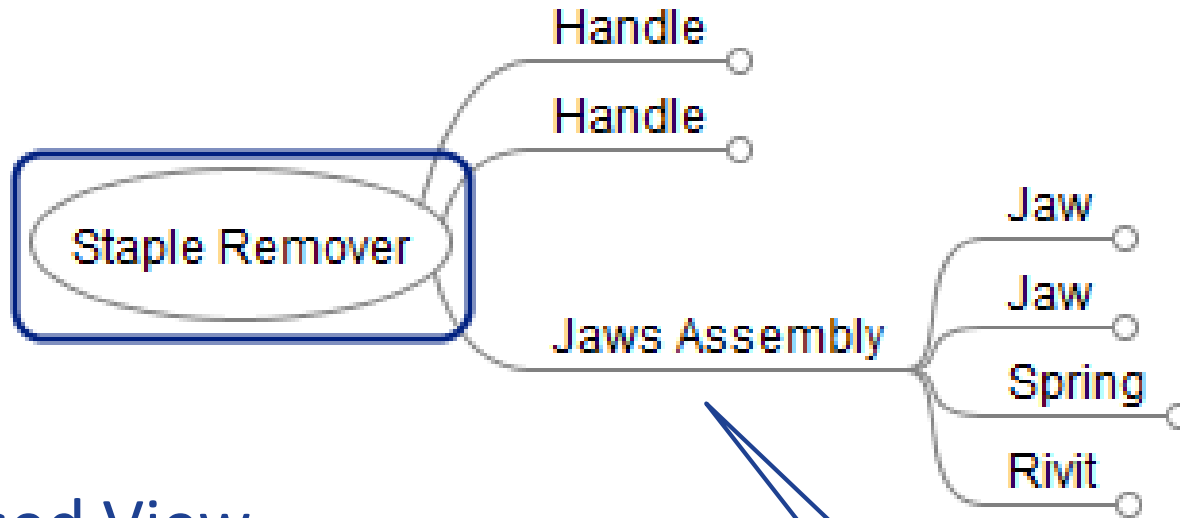
## Parts



# Structural View of Staple Remover

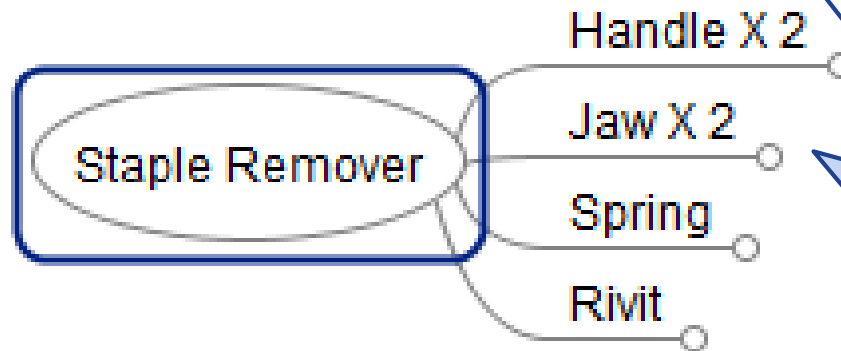


Bill of Material (BoM) view



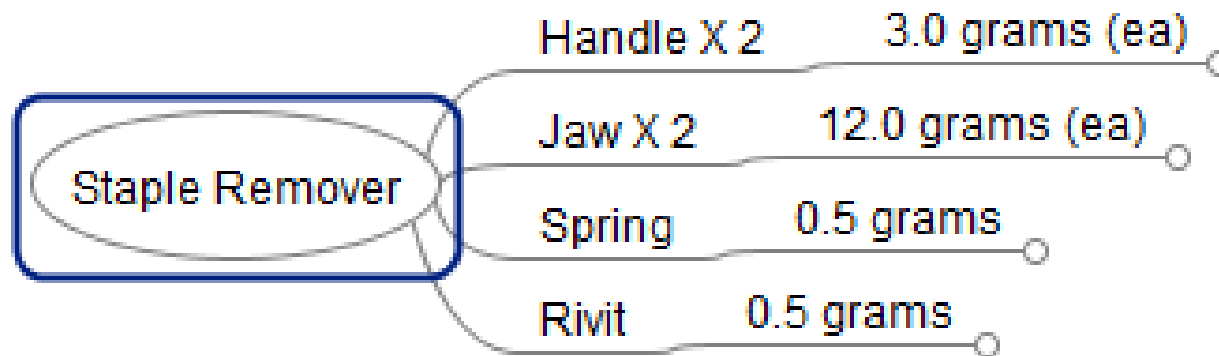
## Collapsed View

shows only unique parts



- The intermediate assembly BoM level is removed
- Unique parts are consolidated at a single level

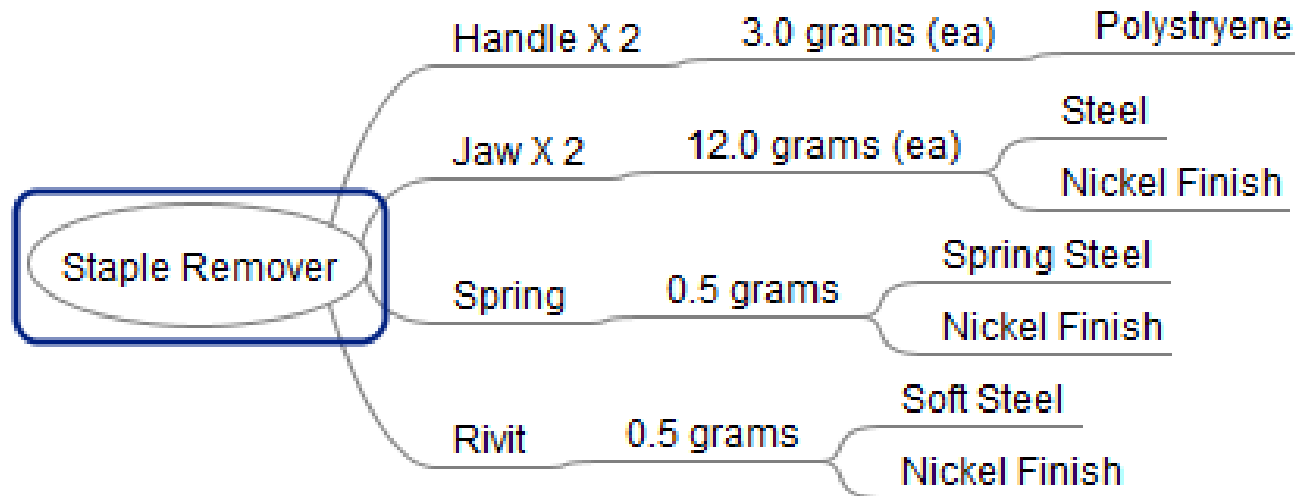
# Staple Remover Parts with Weights



# Staple Remover Parts w/ Materials



## FMD - BoM view



Notice that the steels are different materials:  
“steel”, “spring steel”, and “soft steel”



# Next Steps

- Enter this FMD-BoM information into reporting
- For guidance on entering information into your selected MD reporting format :

## FMD

#202 – Reporting Guidance

#204 – Reporting Template

## Regulation MD

#203 – Reporting Guidance

#205 – Reporting Templates



# Additional Resources

Please see [www.RoHSReady.org](http://www.RoHSReady.org)  
for additional resources