

Chromium Trioxide Authorisation

ProGravure – Julian Rotter, K.Walter



1. Timeline

- 18 March 2021
New safety data sheets containing authorisation numbers and exposure scenarios
- 22 March 2021
Deadline for the registration with ECHA via REACH-IT
- 18 June 2021
Deadline for worker exposure and environment emission measurements
- 18 December 2021
Deadline for submitting measurement data to ECHA via REACH-IT
- Annual measurements
- 21 September 2024
Last day of authorisation



2. New Safety Data Sheets

extended Safety Data Sheet (eSDS)

- Authorisation number
- Description of potential worker exposure scenarios
- Risk minimisation measures
- Personal protective gear requirements
- Worker qualification
- Access control
- Exposure control and measurements

The measures described in the eSDS are mandatory for users!



3. Registration and Notification

The use of chromium trioxide must be notified to the European Chemicals Agency (ECHA).

Online via REACH-IT account.

- Companies must associate with the authorisation numbers of the authorisation holders
- Separate notifications per location and authorisation number
- Information is also passed on anonymously to the authorisation holders

Information is forwarded to the national authorities. These authorities monitor compliance with the new regulations.



4. Exposure and Emission Measurements

- All exposure scenarios must be accounted for separately
- Annual measurements
- K.Walter establishes a uniform protocol for better comparability
- Measurement data can be used for the ChromeXtend application
- Transmission of results to ECHA via REACH-IT
- National exposure limits still valid

Measurement data is used to verify the risks described in the application. Data can also be viewed by national authorities.



5. Chrome Plating beyond 2024





ChromeXtend

Application for EU Authorisation of Chromium Trioxide

Application by K.Walter for rotogravure and embossing specific authorisation

- ▶ Representing the whole European rotogravure and embossing industry
117 European production sites covered by a full supply chain application
- ▶ Authorization expected for 7 – 10 years (2030 – 2033)
- ▶ Completely funded by K.Walter
- ▶ Supported by the data from the downstream users
- ▶ Authorisation was filed 22 February 2021



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Application for EU Authorisation of Chromium Trioxide

Advantages of industry-specific authorisation

- ▶ Consequences of a refused authorisation can be laid out more precisely
- ▶ Specific analysis of alternative technologies possible
- ▶ Process is described once and is transferable to all companies

- ▶ Problem CTAC/CTAC-Sub2:
 - ▶ different industries must be reviewed collectively in one application
 - ▶ Uncertainties in other industries also affect gravure printing
 - ▶ Safety standards in gravure printing much higher than in other areas

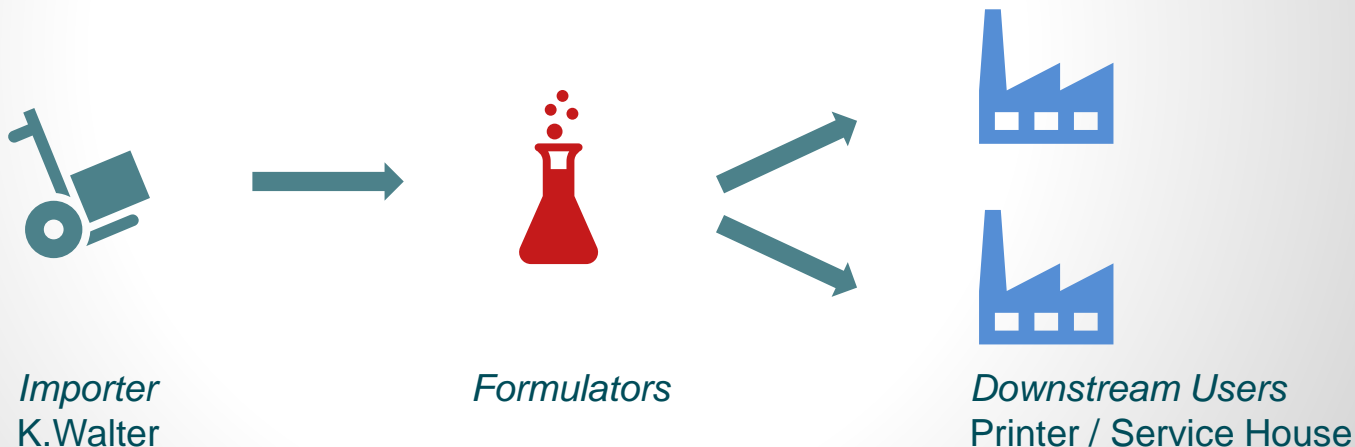


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Application for EU Authorisation of Chromium Trioxide

Supply chain design

➔ Rotogravure and embossing industry will be independent of other authorisations
Maximum production security for downstream users



Thank you for your attention!