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TECHNICAL DATA SHEET

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TECHNICAL DATA SHEET

Chrome-6 Neutralizer. Ready-to-use product for treating areas where chromium 6 dust may occur.

Product description

Chrome-6-Neutralizer is an acid-based biodegradable neutralising liquid used to convert harmful chromium 6 into non-hazardous chromium 3. This product can be used to deal with chromium 6 at source.

Solution areas

- Chromium 6 is categorised as a carcinogenic substance.
- The limit value of chromium 6 is very low, which presents a high risk of exposure.
- Chromium 6 dust is released, for example, when stainless steel is heated over a prolonged period. This occurs in various combustion engines, gas turbines, CHP units, etc.
- The maintenance and overhaul of such systems therefore require additional safeguarding measures.
- Chromium 6 can also be found in paint and conservation systems and is released when they are handled or processed. This product is not suitable for use on chrome paint.
- Dust is easily spread through poorly ventilated areas, increasing the likelihood of exposure.

Sustainable solution

Chrome-6-Neutralizer converts chromium 6 into non-hazardous chromium 3. The concentration of chromium 6 dust is drastically reduced because it undergoes a reaction with the acid product while simultaneously being wetted.

In combustion engines, chromium 6 dust often accumulates under insulation parts where stainless steel parts are also fitted. The prolonged heat produces chromium 6 from stainless steel and is often recognisable as a yellow powder. Spraying with Chrome-6-Neutralizer converts chromium 6 into chromium 3, while preventing its dust from dispersing into the air.

Special advantages

- Converts chromium 6 into chromium 3 and therefore turns a carcinogenic product into a non-hazardous one.
- Its liquid nature prevents further dust emissions.
- Completely biodegradable.
- Greatly reduces the risk of exposure.
- Helps employers comply with the obligation to tackle carcinogens at source.
- Easy application and ready to use: apply directly from the spray bottle.
- Suitable for substrates that are not sensitive to acid; otherwise test for resistance before use.
- The absence of transport and CLP labelling facilitates transport, storage and use.

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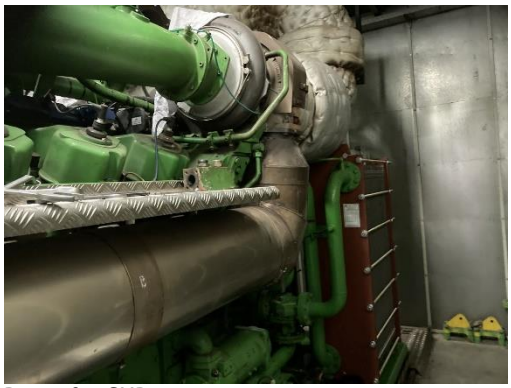
Areas of application

Chrome-6-Neutralizer can be used in industry to combat chromium 6 (dust), where exposure may occur during the maintenance and overhaul of:

- CHP (combined heat and power) units, used among others by horticulturalists to control heat and CO2 in greenhouses, and to supply electricity. Prolonged heating of stainless steel in the insulation parts increases the likelihood of chromium 6 dust being released.
  For example in:
- marine engines
- diesel engines
- gas turbines


Part of a CHP unit


Yellow dust deposits beneath section of insulation

Remarks

Take care when using on acid-sensitive surfaces. If in doubt, test first. Do not use on calciferous substrates such as marble and stone.
This product reduces exposure to chromium 6 dust; however, exposure to chromium 6 can always occur due to, for example, inadequate wetting, encapsulated dust, other disruptive contaminants, dust already in the air, etc. Always follow the procedures outlined in occupational safety regulations when working with chromium 6, and refer to the SDS for this product.

Product instructions

Chrome-6-Neutralizer is ready to use. Screw the trigger nozzle onto a filled bottle and spray the liquid on the areas suspected of chromium 6 build-up. Ensure sufficient wetting.
To prevent excessively rapid evaporation, make sure the substrate has cooled down to approximately ambient temperature.
Allow the product to soak in for at least 15 minutes.
Take measurements (quick test or air readings) to check whether chromium 6 is still present and repeat the procedure if necessary.

Packing material

Eco-Point International packages its products in metal or HD Polythene and accepts returns of empty/clean packages for recycling or reconditioning free of charge when further orders are placed. P.E. has no harmful effect on the environment when incinerated. Spray bottles used by Eco-Point International are made of PE or PET: lightweight, low use of raw materials per package, low use of energy in production, virtually unbreakable, therefore have a long life cycle, low quantities of waste during production and subsequent recycling, no toxic substances upon incineration and 100% recyclable.