



Product:
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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Metal-Kote

Product Code: ACRY/GWG20

1.2. Relevant identified uses of the substance or mixture and uses advised against

Uses: Paint.

1.3. Details of the supplier of the safety data sheet

Cromar Building Products, Units 3,4,5 Northside Ind Park, Whitley Bridge, Goole, DN14 0GH, United Kingdom

Tel: +44 (0) 01977 663 133 Fax: +44 (0) 1977 662 186

e-mail sales@cromar.uk.com

Web site www.acrypolproducts.co.uk

1.4. Emergency telephone number

+44 (0) 1977 663 133 (09:00 to 17:00 UK time)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards

Flam. Liq. 3 - H226

Health Hazards

Not Classified

Environmental hazards

Aquatic Chronic 2 - H441

2.2. Label elements

Pictogram



Signal Word

Warning

Hazard Statements

H226 Flammable liquid and vapour.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273 Avoid release to the environment.

P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

Contains

HYDROCARBONS, C9 - C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.

2.3. Other hazards



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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

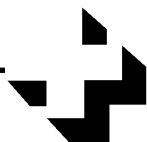
3.2. Mixtures

| | | |
|---|----------------------|--|
| HYDROCARBONS, C9 - C11, n-alkanes, isoalkanes, cyclics | | 10-30% |
| <2% aromatics | | |
| CAS Number: - | EC Number: 919-857-5 | REACH registration number: 01-2119463258-33-XXXX |
| Classification | | |
| Flam. Liq. 3 - H226 | | |
| STOT SE 3 - H336 | | |
| Asp. Tox. 1 - H304 | | |

| | | |
|--|--|---------------|
| SNOWCAL 60-ML | | 10-30% |
| CAS number: 1317-65-3 | | |
| Classification | | |
| Not classified | | |
| trizinc bis (orthophosphate) | | |
| 7779-90-0/ 231-944-3 01-2119485044-40 5-10 N R50/53 | | |

| | | |
|-------------------------------------|--|---------------|
| Potassium Aluminium Silicate | | 10-30% |
| CAS number: 12001-26-2 | | |
| Classification | | |
| Not classified | | |

| | | |
|------------------------------------|------------------------|--|
| Trizinc bis(orthophosphate) | | 1-5% |
| CAS number: 7779-90-0 | EC number: 231-944-3 | REACH registration number: 01-2119485044-40-XXXX |
| M factor (Acute) = 1 | M factor (Chronic) = 1 | |
| Classification | | |
| Aquatic Acute 1 - H400 | | |
| Aquatic Chronic 1 - H410 | | |



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| | | | |
|-------------------------|----------------------|---|-------------|
| Titanium Dioxide | | | 1-5% |
| CAS number: 13463-67-7 | EC number: 236-675-5 | REACH registration number: 01-2119489379-17-XXXX | |
| Classification | Not classified | | |

| | | | |
|------------------------|----------------------|--|---------------|
| Aluminium Oxide | | | <1% |
| CAS number: 1344-28-1 | EC number: 215-691-6 | | |
| Classification | Not classified | | |

| | | | |
|--------------------------|----------------------|--|---------------|
| Zirconium Dioxide | | | <1% |
| CAS number: 1314-23-4 | EC number: 215-227-2 | | |
| Classification | Not classified | | |

| | | | |
|------------------------|----------------------|---|---------------|
| Carbofin Powder | | | <1% |
| CAS number: 1333-86-4 | EC number: 215-609-9 | REACH registration number: 01-2119457614-35-XXXX | |
| Classification | Not classified | | |

| | | | |
|--------------------------|----------------------|---|---------------|
| Red Oxide Pigment | | | <1% |
| CAS number: 1309-37-1 | EC number: 215-168-2 | REACH registration number: 01-2119457614-35-XXXX | |
| Classification | Not classified | | |

The full text for all R-Phrases and Hazardous Statements are displayed in Section 16.

SECTION 4. FIRST-AID MEASURES

4.1. Description of first aid measures

General information

Inhalation

If in doubt, get medical attention promptly.
Move affected person to fresh air at once. If breathing stops, provide artificial respiration.

Ingestion

Get medical attention immediately. Keep affected person warm and at rest. Do not induce vomiting.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Do not use organic solvents.

Eye contact

Wash with plenty of water.

Protection of first aiders

First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.



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4.2. Most important symptoms and effects, both acute and delayed

| | |
|--------------|--|
| Inhalation | Vapour from this product may be hazardous by inhalation. May cause respiratory irritation. Prolonged or repeated exposure may cause the following adverse effects: Coughing. Vapours may cause drowsiness and dizziness. |
| Ingestion | Pneumonia may be the result if vomited material containing solvents reaches the lungs. May be fatal if swallowed and enters airways. |
| Skin contact | Prolonged contact may cause redness, irritation and dry skin. |
| Eye contact | Causes serious eye irritation. Prolonged or repeated exposure may cause the following adverse effects: Profuse watering of the eyes. Redness. |

4.3. Indication of any immediate medical attention and special treatment needed

| | |
|----------------------|---|
| Notes for the doctor | Treat symptomatically. |
| Specific treatments | No specific chemical antidote is known to be required after exposure to this product. |

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. |
| Unsuitable extinguishing Media | Do not use water jet as an extinguisher, as this will spread the fire. |

5.2. Special hazards arising from the substance or mixture

| | |
|-------------------------------|--|
| Specific hazards | The product is flammable. Fire-water run-off in sewers may create fire or explosion hazard. Harmful to aquatic life with long lasting effects. Control run-off water by containing and keeping it out of sewers and watercourses. |
| Hazardous combustion products | Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO ₂). Carbon monoxide (CO). Acrid smoke or fumes. Metal oxide(s). Oxides of nitrogen. |

5.3. Advice for firefighters

| | |
|---|--|
| Protective actions during Firefighting | In case of fire: Evacuate area. No action shall be taken without appropriate training or involving any personal risk. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. |
| Special protective equipment for firefighters | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. |

SECTION 6. ACCIDENTAL RELEASE MEASURES



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6.1. Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|---|
| For non-emergency personnel | No action shall be taken without appropriate training or involving any personal risk. Evacuate area. Keep unnecessary and unprotected personnel away from the spillage. Do not touch or walk into spilled material. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not breathe gas, fume, vapours or spray. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Use protective equipment appropriate for surrounding materials. |
| For emergency responders | Wear protective clothing as described in Section 8 of this safety data sheet. |

6.2. Environmental precautions

| | |
|---------------------------|--|
| Environmental precautions | Avoid the spillage or runoff entering drains, sewers or watercourses. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment. |
|---------------------------|--|

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | Absorb spillage with non-combustible, absorbent material. |
|-------------------------|---|

6.4. Reference to other sections

| | |
|-----------------------------|---|
| Reference to other sections | For personal protection, see Section 8. For waste disposal, see Section 13. |
|-----------------------------|---|

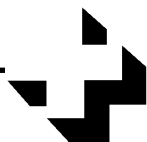
SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

| | |
|-------------------|--|
| Usage precautions | Eliminate all sources of ignition. Use only in well-ventilated areas. For professional users only. Wear protective clothing as described in Section 8 of this safety data sheet. Earth container and transfer equipment to eliminate sparks from static electricity. For the greatest protection, clothing should include anti-static overalls, boots and gloves. Use only non-sparking tools. Keep away from heat, sparks and open flame. Avoid inhalation of vapours/spray and contact with skin and eyes. Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract. |
|-------------------|--|

Advice on general occupational hygiene

Do not eat, drink or smoke when using this product. Good personal hygiene procedures should be implemented. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and protective equipment before entering eating areas. Change work clothing daily before leaving workplace.



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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store at temperatures between 10°C and 25°C. Store in accordance with national regulations. Store in tightly-closed, original container. Avoid contact with oxidising agents.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits

HYDROCARBONS, C9 - C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m³

SNOWCAL 60-ML

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Potassium Aluminium Silicate

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 0.8 mg/m³ respirable dust

Titanium Dioxide

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

aluminium oxide

Long-term exposure limit (8-hour TWA): WEL 4 mg/m³

Zirconium dioxide

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³

Short-term exposure limit (15-minute): WEL 10 mg/m³

Carbofin powder

Long-term exposure limit (8-hour TWA): WEL 3.5 mg/m³

Short-term exposure limit (15-minute): WEL 7 mg/m³

Red Oxide Pigment

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ inhalable dust

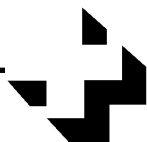
Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): WEL 5 mg/m³ fume

Short-term exposure limit (15-minute): WEL 10 mg/m³ fume

as Fe

WEL = Workplace Exposure Limit



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HYDROCARBONS, C9 - C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

DNEL Industry - Dermal; Long term : 208 mg/kg/day
 Industry - Inhalation; Long term : 871 mg/m³

trizinc bis(orthophosphate) (CAS: 7779-90-0)

DNEL Workers - Inhalation; Long term systemic effects: 5 mg/m³
 Workers - Dermal; Long term systemic effects: 83 mg/kg/day
 PNEC - Fresh water; 20.6 µg/l
 - Marine water; 6.1 µg/l
 - STP; 52 µg/l
 - Sediment (Freshwater); 117.8 mg/kg dwt
 - Sediment (Marinewater); 56.5 mg/kg dwt
 - Soil; 35.6 mg/kg dwt

Titanium Dioxide (CAS: 13463-67-7)

DNEL Workers - Inhalation; Long term local effects: 10 mg/m³
 PNEC - Fresh water; 0.127 mg/l
 - Intermittent release; 0.61 mg/l
 - Marine water; 1 mg/l
 - Sediment (Freshwater); 1000 mg/kg
 - Sediment (Marinewater); 100 mg/kg
 - STP; 100 mg/l
 - Soil; 100 mg/kg

aluminium oxide (CAS: 1344-28-1)

DNEL Workers - Dermal; : 3.29 mg/kg
 Workers - Inhalation; : 15.63 mg/m³
 PNEC - STP; 20 mg/l

zinc oxide (CAS: 1314-13-2)

DNEL Workers - Inhalation; Long term systemic effects: 5 mg/m³
 Workers - Dermal; Long term systemic effects: 87 mg/kg/day
 PNEC - Fresh water; 20.6 µg/l
 - Marine water; 6.1 µg/l
 - Sediment (Freshwater); 117 mg/kg dwt
 - Sediment (Marinewater); 56.5 mg/kg dwt
 - STP; 52 µg/l
 - Soil; 35.6 mg/kg dwt

8.2. Exposure controls

Protective equipment



Appropriate engineering

Controls

As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls



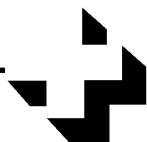
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| | |
|--|--|
| Eye/face protection | <p>should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Use explosion-proof ventilating equipment.</p> <p>Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Chemical splash goggles or face shield. If inhalation</p> |
| Hand protection | <p>hazards exist, a full-face respirator may be required instead.</p> <p>To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. For exposure up to 8 hours, wear gloves made of the following material: Viton rubber (fluoro rubber). For exposure up to 4 hours, wear gloves made of the following material: Butyl rubber. Nitrile rubber. Neoprene. Polyvinyl alcohol (PVA).</p> |
| Other skin and body Protection | <p>Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. For the greatest protection, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for information on material and design requirements and test methods.</p> |
| Hygiene measures | <p>Good personal hygiene procedures should be implemented. Wash hands thoroughly after handling. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Care should be taken to avoid contact with contaminants when removing contaminated clothing. Remove contaminated clothing and protective equipment before entering eating areas. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.</p> |
| Respiratory protection | <p>Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear a full facepiece, supplied-air respirator.</p> |
| Environmental exposure Controls | <p>Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.</p> |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES



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9.1. Information on basic physical and chemical properties

| | |
|------------------|------------------------|
| Appearance | Liquid. |
| Colour | Various colours. |
| Odour | Characteristic. |
| Flash point | 32-55 °C |
| Relative density | 1.34 +/- 0.1 kg/L |
| Solubility(ies) | Immiscible with water. |

9.2 Other Information

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity No test data specifically related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous Reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition. Do not pressurise, cut, weld, drill, grind or otherwise expose containers to heat or sources of ignition.

10.5. Incompatible materials

Materials to avoid Avoid contact with the following materials: Acids. Alkalis. Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition Products Heating may generate the following products: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x).

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential



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- 12.4. Mobility in soil
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

| | |
|---------------------|---|
| General information | Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. |
| Disposal methods | Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Do not empty into drains. |
| Waste class | 08 01 11 Waste paint and varnish containing organic solvents or other dangerous substances If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information, contact your local waste authority. |

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

| | |
|------------------|------|
| UN No. (ADR/RID) | 1263 |
| UN No. (IMDG) | 1263 |
| UN No. (ICAO) | 1263 |
| UN No. (ADN) | 1263 |

14.2. UN proper shipping name

| | |
|--------------------------------|-------|
| Proper shipping name (ADR/RID) | PAINT |
| Proper shipping name (IMDG) | PAINT |
| Proper shipping name (ICAO) | PAINT |
| Proper shipping name (ADN) | PAINT |

14.3. Transport hazard class(es)

| | |
|-----------------------------|----|
| ADR/RID class | 3 |
| ADR/RID classification code | F1 |
| ADR/RID label | 3 |
| IMDG class | 3 |
| ICAO class/division | 3 |
| ADN class | 3 |

Transport Labels





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14.4. Packing group

| | |
|-----------------------|-----|
| ADR/RID packing group | III |
| IMDG packing group | III |
| ADN packing group | III |
| ICAO packing group | III |

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

| | |
|--|----------|
| EmS | F-E, S-E |
| ADR transport category | 3 |
| Emergency Action Code | •3YE |
| Hazard Identification Number (ADR/RID) | 33 |
| Tunnel restriction code | (D/E) |

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

| | |
|---|--|
| EU legislation | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). |
| Health and environmental Listings | None of the ingredients are listed. |
| Authorisations (Title VII Regulation 1907/2006) | No specific authorisations are known for this product. |
| Restrictions (Title VIII Regulation 1907/2006) | No specific restrictions on use are known for this product. |

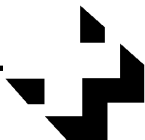
15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number



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| Revision date | 14/07/2020 |
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| SDS number | 5304 |
| Hazard statements in full | H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. |
| Mix Ratio | Single Pack |
| Shelf life | 1 year |
| EU Dir 2 | |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.
