

Safety Data Sheet

Hazardous Substance, Dangerous Goods

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier: **Craig & Rose Artisan Metal Primer Aerosol Spray Pack**

Synonyms:

Craig & Rose Artisan Metal Primer, 400mL

Product Code

940029

Bar Code

5036211069463

Relevant identified uses of the substance or mixture and uses advised against: Aerosol spray paint.
No information for uses advised against.

Details of the supplier of the safety data sheet

Supplier/Distributor: Craig & Rose Paints Ltd.

Company Number: 09968464

Street Address: 20-22 Bedford Row,
London, WC1R4JS
United Kingdom

Telephone: +44 0 138 374 0011

Web Address: www.craigandrose.com

24hr Emergency telephone number: 0800 085 6522

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture: This material is classified as hazardous according to the criteria of Regulation (EC) No. 1272/2008 (CLP).

Flammable Aerosols – Category 1

Serious Eye Damage/Irritation – Category 2A

Specific Target Organ Toxicity (Single Exposure) – Category 3

Aquatic Hazard to the Aquatic Environment – Category 3 (M-Factor = 1)

Chronic Hazard to the Aquatic Environment – Category 3 (M-Factor = 1)

Label elements/pictogram:



Signal word:

Danger

Hazard statements:

H222 Extremely flammable aerosol.
H229 Pressurized container: may burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from all sources of ignition - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P261 Avoid breathing mist, vapours or spray.

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P264	Wash hands, face and all exposed skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective clothing, gloves, eye/face protection and suitable respirator as required.
P101	If medical advice is needed, have product container or label at hand.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+311	Call a POISON CENTRE or doctor/physician if you feel unwell.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P337+313	If eye irritation persists get medical advice/attention.
P403+233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local, regional, national and international regulations.

Supplemental hazard information

83% by mass of the contents are flammable.

EUH066 Repeated exposure may cause skin dryness or cracking.

Other hazards:

Build-up of explosive mixtures in air is possible without sufficient ventilation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.	EC No.	REACH Reg. No.	Proportion (% w/w)	Classification
Acetone	67-64-1	200-662-2	606-001-00-8	25 - 50	H225, H319, H336
n-Butyl acetate	123-86-4	204-658-1	607-025-00-1	10 - 12.5	H226, H336
Propane	74-98-6	200-827-9	601-003-00-5	10 - 12.5	H220, Press. Gas
Butane	106-97-8	203-448-7	601-004-00-0	5 - 10	H220, Press. Gas
Cellulose nitrate	9004-70-0	618-392-2	#	2.5 - 5	H228
Isobutane	75-28-5	200-857-2	601-004-00-0	2.5 - 5	H220, Press. Gas
Trizinc bis(orthophosphate)	7779-90-0	231-944-3	030-011-00-6	< 2.5	H400, H410
Xylene	1330-20-7	215-535-7	601-022-00-9	< 2.5	H226, H312, H315, H332
Ethanol	64-17-5	200-578-6	603-002-005	< 2.5	H225
2-Methoxy-1-methyl acetate	108-65-6	203-603-9	607-195-00-7	< 2.5	H226
Non-hazardous	-	-	-	Balance	-

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP).

REACH Reg. No – Numbers not Registered are exempted from registration. Import volume is less than 1 tonne per year.

4. FIRST AID MEASURES

Description of first aid measures: If poisoning occurs, contact a doctor or the National Poisons Information Service (Phone 111) or Ambulance (Phone 999).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

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Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

Self-protection for the first aider: Wear overalls, chemical goggles and impervious gloves. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Most important symptoms and effects, both acute and delayed: Refer to Section 11 for Toxicological Information.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Hazchem code: 2YE

Extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder). Do not use water jets.

Specific hazards arising from the substance or mixture: Extremely flammable gas. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

Advice for firefighters: Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours.

Environmental precautions: Do not let product enter drains. If contamination of sewers or waterways has occurred advise local emergency services.

Methods and material for containment and cleaning up

Small spills: Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage.

Large spills: Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

Reference to other sections: Refer to Section 13 for Disposal Considerations.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid skin and eye contact and inhalation of vapour, mist or aerosols.

Conditions for safety storage, including any incompatibilities: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.

Specific end use: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Ensure that eyewash stations and safety showers are close to the workstation location.

This material is classified as a Dangerous Good Class 2.1 Flammable Gas as per the criteria of "The European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)", "The Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID)" and "The European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)" and must be stored in accordance with the relevant regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational exposure limits: No Workplace Exposure Standard values have been assigned for this specific material by the Health and Safety Executive (HSE).

However, for:

	WES-TWA		WES-STEL		CARCINOGEN CATEGORY	NOTICES
	ppm	mg/m3	ppm	mg/m3		
Acetone	500	1,210	1,500	3,620	-	-
n-Butyl acetate	150	724	200	966	-	-
Propane*	1,000	1,800	4,000	7,200	-	-
Butane	600	1,450	750	1,810	-	-
Isobutane*	1,000	2,400	4,000	9,600	-	-
Zinc (inhalable aerosol)*	-	2	-	4	-	-
Zinc (respirable aerosol)*	-	0.4	-	0.4	-	-
Xylene	50	220	100	441	-	-
Ethanol	1,000	1,920	-	-	-	-
2-Methoxy-1-methyl acetate	50	274	100	548	-	-

*Assigned by Germany (DFG)
Assigned by United Kingdom.

As published by GESTIS International Limit Values (http://limitvalue.ifa.dguv.de/WebForm_gw2.aspx).

WES-TWA (Workplace Exposure Standard – Time-weighted Average). The time-weighted average exposure standard designed to protect the worker for the effects of long-term exposure.

WES-STEL (Workplace Exposure Standard - Short-Term Exposure Limit). The 15-minute average exposure standard. Applies to any 15-minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue changes, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

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If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Biological monitoring: As per the “Biological Monitoring Guidance Values (Health and Safety Executive and the European Scientific Committee on Occupational Exposure Limits)” the following ingredients in this material requires biological monitoring.

Xylene

For detailed information see “List of Recommended Health-based Biological limit (BLVs) and Biological Guidance Values (BGVs), Scientific Committee on Occupational Exposure Limits, 2014” and UK Governmental Health & Safety Laboratory Service, Biological Monitoring Guidance Values, 2015”.

Exposure Controls

Engineering Controls: Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards.

Personal Protection Equipment: C: OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

Personal protective equipment should be used only when other control measure (eg. elimination, substitution, isolation and engineering controls) have been found to be impractical or in conjunction with one or more control measures.

Manufacturing, Packing and Transport: Wear overalls, chemical goggles and impervious gloves. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of HSE Respiratory Protective Equipment at Work HSGE53.

Recommendations for consumer use: Wear gloves. Wash hands after use.

Environmental Exposure Controls: Keep containers closed when not in use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance and odour: Grey coloured, aerosol with a solvent odour.

Solubility:	Insoluble in water. Soluble in organic solvents.
Specific Gravity (20 °C):	0.80
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	8300 hPa
Oxidising Properties:	N Av
Flash Point (°C):	-104 (Propane)
Flammability Limits (%):	LEL – 1.2; UEL – 13.0
Autoignition Temperature (°C):	365
Explosive Properties:	N Av
Initial Boiling Point/Range (°C):	N Av
Decomposition Point (°C):	N Av
Melting Point/Freezing Point (°C):	N Av
pH:	N Av
Viscosity:	N Av
Partition Coefficient:	N Av
Evaporation Rate (n-Butyl acetate=1):	N Av
Total VOC (g/Litre):	663.0

(Typical values only - consult specification sheet)
N Av = Not available N App = Not applicable

10. STABILITY AND REACTIVITY

Reactivity: No reactivity hazards are known for the material.

Chemical stability: This material is thermally stable when stored and used as directed.

Possibility of hazardous reactions: No known hazardous reactions.

Conditions to avoid: Elevated temperatures and sources of ignition.

Incompatible materials: Oxidising agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Information on Toxicological Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.

Skin contact: Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Ingestion: Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is uncoordinated there is greater likelihood of vomit entering the lungs and causing subsequent complications. Aspiration pneumonia (inflammation of the lung) may result.

Eye contact: An eye irritant.

Acute toxicity

Inhalation: Based on available data the classification criteria have not been met. This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients): > 20 mg/L

Skin contact: Based on available data the classification criteria have not been met. This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Ingestion: Based on available data the classification criteria have not been met. This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Corrosion/Irritancy: Eye: Based on available data this material has been classified as a Category 2A Hazard (reversible effects to eyes).

Skin: Based on available data this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: Based on available data this material has been classified as not a respiratory sensitiser.

Skin: Based on available data this material has been classified as not a skin sensitiser.

Aspiration hazard: Based on available data this material has been classified as non-hazardous.

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Specific target organ toxicity (single exposure): Based on available data this material has been classified as a Category 3 Hazard. Exposure via inhalation may result in depression of the central nervous system.

Chronic Toxicity

Mutagenicity: Based on available data this material has been classified as non-hazardous.

Carcinogenicity: Based on available data this material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): Based on available data this material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): Based on available data this material has been classified as non-hazardous.

12. ECOLOGICAL INFORMATION

Toxicity

Acute: This material has been classified as a Category Acute 3 Hazard due to the presence of trizinc bis(orthophosphate).

Acute toxicity estimate (based on ingredients): 10 - 100 mg/L.

Chronic: This material has been classified as a Category Chronic 3 Hazard due to the presence of trizinc bis(orthophosphate).

Acute toxicity estimate (based on ingredients): 10 - 100 mg/L.

Persistence and degradability: No information available.

Bio-accumulative potential: No information available.

Mobility in soil: No information available.

Results of PBT and vPvB assessment: A PBT/vPvB assessment is not required for this material.

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose of in accordance with the countries' Environmental Protection Authority.

14. TRANSPORT INFORMATION

Road and Rail Transport

Classified as Dangerous Goods by the criteria of "The European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR)", "The Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID)" and "The European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN)".

UN No: 1950
Dangerous Goods Class: 2.1 Flammable Gas
Packing Group: Not allocated
Hazchem Code: 2YE
Emergency Response Guide No: 49

Proper Shipping Name: AEROSOLS

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), flammable liquids (Class 3), if both are in bulk, flammable solids (Class 4.1), spontaneously combustible substances (Class 4.2), dangerous when wet substances (Class 4.3), oxidising agents (Class 5.1), organic peroxides (Class 5.2) or radioactive substances (Class 7), however exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No: 1950
Dangerous Goods Class: 2.1 Flammable Gas
Packing Group: Not allocated

Proper Shipping Name: AEROSOLS

AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No: 1950
Dangerous Goods Class: 2.1 Flammable Gas
Packing Group: Not allocated

Proper Shipping Name: AEROSOLS, FLAMMABLE

Special Precautions for User: Not applicable.

Transport in Bulk according to Annex II MARPOL 73/78 and the IBC Code: Not applicable.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: This Safety Data Sheet has been written in accordance with Regulation (EC) No. 1272/2008 (CLP) and ECHA corresponding Guidance on the Classification, Labelling and Packaging of Substances and Mixtures (2015, Version 4,1)

All the constituents of this material are listed on the European Chemicals Agency C&L Inventory.

This material is not subject to the following international agreements

- Montreal Protocol (Ozone depleting substances)
- The Stockholm Convention (Persistent Organic Pollutants)
- The Rotterdam Convention (Prior Informed Consent)

This material is subject to the following international agreements:

Basel Convention (Hazardous Waste)

- Wastes from production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish
- International Convention for the Prevention of Pollution from Ships (MARPOL)
- Annex III - Harmful Substances carried in Packaged Form

Chemical safety assessment: No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. OTHER INFORMATION

Indications of changes: First Issue

Literatures sources and abbreviations

CLP	Classification, Labelling and Packaging
EC	European Commission
EC No.	EINECS Number
ECHA	European Chemicals Agency
H220	Extremely flammable gas
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H228	Flammable solid
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
HSE	Health Safety Executive
Press. Gas	Pressurised Gas
PVT	Persistent, Bioaccumulative and Toxic
vPvB	Very Persistent and very Bioaccumulative

This Safety Data Sheet has been prepared by Chemical Data Services Pty Ltd (chemdata.com.au) on behalf of its client.

Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Craig & Rose Paints Ltd. cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the

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product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

End of SDS.