

2020

Safety Data Sheet

King of Paints Cold Galvanizing
Aerosol 600.



BIGGER CAN
600ml
MORE PAINT

Safety Data Sheet

Recommended use Corrosion protection of iron and steel.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: king of Paints Cold Galv

Code(s): A756, A757, A758, A760, E443

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

Identified uses:

For professional and industrial use only.

Disinfection of surfaces

Uses advised against:

Uses other than those identified are not recommended

1.3 Details of the supplier of the safety data sheet

COMPLEX PAINTS LIMITED

39 OLD COACH ROAD

HILLSBOROUGH

BT26 6PB

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Tel: +44 (0) 28 92106400

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Email: COMPLEXPAINTS@OUTLOOK.COM

1.4 Emergency telephone number

+44 (0) 28 92106400 8.00am – 5.00pm Monday - Friday

SECTION 2: Hazards identification

Physical hazards Flammable aerosols Category 1

Gases under pressure Liquefied gas

Health hazards Serious eye damage/eye irritation Category 2

Specific target organ toxicity, single exposure Category 3 narcotic effects

Specific target organ toxicity, repeated Category 1 (central nervous system) exposure

Hazardous to the aquatic environment, acute Category 1 hazard

Environmental hazards

Hazardous to the aquatic environment, Category 1

long-term hazard

OSHA defined hazards Combustible dust

Label elements



Signal word Danger

Hazard statement Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Causes damage to organs (central nervous system) through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear eye protection/face protection.

Response If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage.

Storage Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations

SECTION 3: Composition/information on ingredients

*3.2 Mixtures

EC 1272/2008

3. Composition/information on ingredients Mixtures Zinc 7440-66-6 40 - 50 Chemical name CAS number % Acetone 67-64-1 15 - 25 Propane 74-98-6 5 - 15 Methyl ethyl ketone 78-93-3 5 - 10 Stoddard solvent 8052-41-3 5 - 10 Butane 106-97-8 3 - 8 Zinc oxide 1314-13-2 ≤ 2 Composition comments All concentrations are in percent by weight unless otherwise indicated.

SECTION 4: First aid measures

4. First-aid measures

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Inhalation

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Eye contact

In the unlikely event of swallowing contact a physician or poison control center. Rinse mouth thoroughly.

Ingestion

May cause drowsiness and dizziness. Narcosis. Headache. Nausea, vomiting. Behavioral changes. Decrease in motor functions. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause mild skin irritation. Prolonged exposure may cause chronic effects.

Most important symptoms/effects, acute and delayed

Provide general supportive measures and treat symptomatically. Keep victim under observation.

Symptoms may be delayed.

Indication of immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

SECTION 5: Firefighting measures

Suitable extinguishing media Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

During fire, gases hazardous to health may be formed such as: Carbon oxides. Chlorine compounds. Fluorine compounds. Fumes of metal oxides.

Specific hazards arising from the chemical

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Special protective equipment and precautions for firefighters

In case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. Fight fire from protected location or safe distance. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

Fire fighting equipment/instructions

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame.

SECTION 6: Accidental release measures

In the event of a leak evacuate all personnel until ventilation can restore oxygen concentrations to safe levels. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors/spray. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Personal precautions,
protective equipment and
emergency procedures

Stop leak if you can do so without risk. Move aerosol cans to a safe and open place. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains.

Pick up undamaged aerosol cans mechanically. Dike leaked material, where this is possible.

Absorb in vermiculite, dry sand or earth and place into containers. Scoop up used absorbent into drums or other appropriate container. Following product recovery, flush area with water. Retain and dispose of contaminated wash water.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

Methods and materials for
containment and cleaning up

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground

SECTION 7: Handling and storage

Explosion-proof general and local exhaust ventilation. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded.

Do not breathe mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Precautions for safe handling

Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Keep away from heat, sparks and open flame. Keep containers tightly closed in a dry, cool and well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits

Acetone (CAS 67-64-1) TWA 590 mg/m³

250 ppm

Butane (CAS 106-97-8) TWA 1900 mg/m³

800 ppm

Methyl ethyl ketone (CAS STEL 885 mg/m³

78-93-3)

300 ppm

TWA 590 mg/m³

200 ppm

Propane (CAS 74-98-6) TWA 1800 mg/m³

1000 ppm

Stoddard solvent (CAS Ceiling 1800 mg/m³

8052-41-3)

TWA 350 mg/m³

Zinc oxide (CAS 1314-13-2) Ceiling 15 mg/m³ Dust.

STEL 10 mg/m³ Fume.

TWA 5 mg/m³ Fume.

5 mg/m³ Dust.

Biological limit values

ACGIH Biological Exposure Indices

Components Value Determinant Specimen Sampling Time

Acetone (CAS 67-64-1) 25 mg/l Acetone Urine *

Methyl ethyl ketone (CAS 2 mg/l MEK Urine *

78-93-3)

* - For sampling details, please see the source document.

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used.

Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Provide easy access to water supply and eye wash facilities.

Appropriate engineering

controls

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Wear appropriate chemical resistant gloves. Be aware that the liquid may penetrate the gloves.

Frequent change is advisable. Nitrile or neoprene gloves are recommended. Other suitable gloves can be recommended by the glove supplier.

Hand protection

Skin protection

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

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If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Check with respiratory protective equipment suppliers.

Respiratory protection

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

When using do not smoke. Always observe good personal hygiene measures, such as washing

after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section.

Recommended safety measures for handling the product:

Covering activities such as filling and transfer of product to application equipment, flasks or buckets

Appropriate engineering controls:

Not applicable

Appropriate organisational controls:

Avoid direct contact and/or splashes where possible.

Personal protective equipment Eye / face protection:

Wear eye/face protection.

Hand protection:

Wear domestic gloves if possible

Body protection:

Not applicable

Respiratory protection:

Not applicable

Environmental exposure controls:

Not Available

SECTION 9: Physical and chemical properties

Appearance

Physical state Liquid.

Form Aerosol - Pressurized liquid (spray).

Color Gray.

Odor Hydrocarbon.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling range

395.6 °F (202 °C)

Flash point < 19.4 °F (< -7.0 °C) Tag Open Cup

Evaporation rate > 1 BuAc (n-Butyl acetate=1)

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

1.1

Flammability limit - upper

(%)

12.8

Vapor pressure 50 mm Hg (21°C / 70°F)

Vapor density > 1 (Air=1) (24°C / 77°F)

Relative density 1.2 (H2O=1)

Solubility(ies)

Solubility (water) Slightly soluble in water.

Partition coefficient

(n-octanol/water)

Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Bulk density 10.01 lb/gal

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

VOC < 30 %

SECTION 10: Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Contents under pressure. Do not puncture. Keep away from heat, sparks and open flame. In a fire or if heated, a pressure increase will occur and the container may burst or explode. Avoid temperatures exceeding the flash point. Protect against direct sunlight. Contact with incompatible materials.

Conditions to avoid

Acids. Strong oxidizing agents. Amines. Ammonia. Caustics. Chlorine. Fluorine. Isocyanates.

Nitrates. Water.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

Transport information

DOT

UN number UN1950

UN proper shipping name Aerosols, flammable

Class 2.1

Transport hazard class(es)

Subsidiary risk -

Label(s) 2.1

Packing group -

Marine pollutant Yes

Environmental hazards

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions N82

Packaging exceptions 306

Packaging non bulk None

Packaging bulk None

IATA

UN number UN1950

UN proper shipping name Aerosols, flammable

Class 2.1

Transport hazard class(es)

Subsidiary risk -

Label(s) 2.1

Packing group -

Environmental hazards Yes

ERG Code 10L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number UN1950

UN proper shipping name AEROSOLS, flammable

Class 2

Transport hazard class(es)

Subsidiary risk -

Packing group -

Marine pollutant Yes

Environmental hazards

EmS F-D, S-U

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Not applicable.

**Annex II of MARPOL 73/78 and
the IBC Code**