SAFETY DATA SHEET

1303A

Section 1. Identification

Product name : KRYLON® Crystal Clear Acrylic Coating

Clear

Product code : 1303A

Other means of

identification

: Not available.

CAS# : Not applicable.

Product type : Aerosol.

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

Not applicable.

Manufacturer : Krylon Products Group

Cleveland, OH 44115

Emergency telephone number of the company : (216) 566-2917

Product Information Telephone Number

: (800) 457-9566

Regulatory Information

: (216) 566-2902

Telephone Number

Transportation Emergency

Telephone Number

: (800) 424-9300

Section 2. Hazards identification

OSHA/HCS status

: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE AEROSOLS - Category 1

GASES UNDER PRESSURE - Compressed gas SKIN CORROSION/IRRITATION - Category 2

SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

CARCINOGENICITY - Category 2

TOXIC TO REPRODUCTION (Unborn child) - Category 2

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract

irritation) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

Category 3

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2

ASPIRATION HAZARD - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 16.3%

GHS label elements

Hazard pictograms









Signal word : Danger

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Section 2. Hazards identification

Hazard statements

: Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

Causes serious eve irritation.

Causes skin irritation.

Suspected of damaging the unborn child.

Suspected of causing cancer.

May be fatal if swallowed and enters airways.

May cause respiratory irritation. May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

General

: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Use only outdoors or in a well-ventilated area. Do not breathe dust or mist. Wash hands thoroughly after handling. Pressurized container: Do not pierce or burn, even after use.

Response

: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. 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 attention.

Storage

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

Disposal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements

DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Please refer to the SDS for additional information. Keep out of reach of children. Keep upright in a cool, dry place. Do not discard empty can in trash compactor.

Hazards not otherwise classified

: None known.

Section 3. Composition/information on ingredients

Substance/mixture

: Mixture

Other means of identification

: Not available.

CAS number/other identifiers

| Ingredient name | % by weight | CAS number |
|------------------------------|-------------|------------|
| Acetone | 41 | 67-64-1 |
| Toluene | 16.64 | 108-88-3 |
| Propane | 13.77 | 74-98-6 |
| Butane | 13.23 | 106-97-8 |
| Ethyl 3-Ethoxypropionate | 4 | 763-69-9 |
| Medium Aromatic Hydrocarbons | 2.52 | 64742-94-5 |
| Naphthalene | 0.39 | 91-20-3 |

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Section 3. Composition/information on ingredients

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediate

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10

minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if

respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open

airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing

before reuse. Clean shoes thoroughly before reuse.

Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth

with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar,

tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness. May cause respiratory irritation.

Skin contact: Causes skin irritation.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and

enters airways.

Over-exposure signs/symptoms

Eye contact: Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths

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Section 4. First aid measures

skeletal malformations

: Adverse symptoms may include the following:

irritation redness

reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion : Adverse symptoms may include the following:

> nausea or vomiting reduced fetal weight increase in fetal deaths skeletal malformations

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Skin contact

: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments

: No specific treatment.

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing

media

Unsuitable extinguishing

media

: None known.

Specific hazards arising from the chemical

: Extremely flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials: carbon dioxide carbon monoxide

: Use an extinguishing agent suitable for the surrounding fire.

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Store locked up. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination.

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Control parameters

Occupational exposure limits (OSHA United States)

| Ingredient name | Exposure limits |
|---|---|
| Acetone | ACGIH TLV (United States, 3/2015). TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. NIOSH REL (United States, 10/2013). TWA: 250 ppm 10 hours. TWA: 590 mg/m³ 10 hours. OSHA PEL (United States, 2/2013). TWA: 1000 ppm 8 hours. TWA: 2400 mg/m³ 8 hours. |
| Toluene | OSHA PEL Z2 (United States, 2/2013). TWA: 200 ppm 8 hours. CEIL: 300 ppm AMP: 500 ppm 10 minutes. NIOSH REL (United States, 10/2013). TWA: 100 ppm 10 hours. TWA: 375 mg/m³ 10 hours. STEL: 150 ppm 15 minutes. STEL: 560 mg/m³ 15 minutes. ACGIH TLV (United States, 3/2015). TWA: 20 ppm 8 hours. |
| Propane | NIOSH REL (United States, 10/2013). TWA: 1000 ppm 10 hours. TWA: 1800 mg/m³ 10 hours. OSHA PEL (United States, 2/2013). TWA: 1000 ppm 8 hours. TWA: 1800 mg/m³ 8 hours. |
| Butane | NIOSH REL (United States, 10/2013). TWA: 800 ppm 10 hours. TWA: 1900 mg/m³ 10 hours. ACGIH TLV (United States, 3/2015). STEL: 1000 ppm 15 minutes. |
| Ethyl 3-Ethoxypropionate Medium Aromatic Hydrocarbons Naphthalene | None. None. ACGIH TLV (United States, 3/2015). Absorbed through skin. TWA: 10 ppm 8 hours. TWA: 52 mg/m³ 8 hours. NIOSH REL (United States, 10/2013). TWA: 10 ppm 10 hours. TWA: 50 mg/m³ 10 hours. STEL: 15 ppm 15 minutes. STEL: 75 mg/m³ 15 minutes. OSHA PEL (United States, 2/2013). TWA: 10 ppm 8 hours. TWA: 50 mg/m³ 8 hours. |

Occupational exposure limits (Canada)

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| Ingredient name | | | Exposure limits |
|--------------------------------|-------------|------------------------|---|
| Acetone | | | CA Alberta Provincial (Canada, 4/2009). 8 hrs OEL: 1200 mg/m³ 8 hours. 15 min OEL: 1800 mg/m³ 15 minutes. 8 hrs OEL: 500 ppm 8 hours. 15 min OEL: 750 ppm 15 minutes. CA British Columbia Provincial (Canada, 5/2015). TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes. CA Ontario Provincial (Canada, 7/2015). TWA: 500 ppm 8 hours. STEL: 750 ppm 15 minutes. CA Quebec Provincial (Canada, 1/2014). TWAEV: 500 ppm 8 hours. TWAEV: 1190 mg/m³ 8 hours. STEV: 1000 ppm 15 minutes. STEV: 2380 mg/m³ 15 minutes. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 750 ppm 15 minutes. TWA: 500 ppm 8 hours. |
| Toluene | | | CA Alberta Provincial (Canada, 4/2009). Absorbed through skin. 8 hrs OEL: 50 ppm 8 hours. 8 hrs OEL: 188 mg/m³ 8 hours. CA British Columbia Provincial (Canada, 5/2015). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). Absorbed through skin. TWAEV: 50 ppm 8 hours. TWAEV: 188 mg/m³ 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin. STEL: 60 ppm 15 minutes. TWA: 50 ppm 8 hours. |
| Propane | | | CA Alberta Provincial (Canada, 4/2009). 8 hrs OEL: 1000 ppm 8 hours. CA British Columbia Provincial (Canada, 5/2015). TWA: 1000 ppm 8 hours. CA Quebec Provincial (Canada, 1/2014). TWAEV: 1000 ppm 8 hours. TWAEV: 1800 mg/m³ 8 hours. CA Ontario Provincial (Canada, 7/2015). TWA: 1000 ppm 8 hours. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours. CA Alberta Provincial (Canada, 4/2009). |
| Dulane | | | 8 hrs OEL: 1000 ppm 8 hours. CA British Columbia Provincial (Canada, 5/2015). |
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TWA: 600 ppm 8 hours. STEL: 750 ppm 15 minutes.

CA Quebec Provincial (Canada, 1/2014).

TWAEV: 800 ppm 8 hours. TWAEV: 1900 mg/m³ 8 hours.

CA Ontario Provincial (Canada, 7/2015).

TWA: 800 ppm 8 hours.

CA Saskatchewan Provincial (Canada, 7/2013).

STEL: 1250 ppm 15 minutes. TWA: 1000 ppm 8 hours.

CA Alberta Provincial (Canada, 4/2009).

Absorbed through skin.

15 min OEL: 15 ppm 15 minutes. 8 hrs OEL: 10 ppm 8 hours. 8 hrs OEL: 52 mg/m³ 8 hours. 15 min OEL: 79 mg/m³ 15 minutes. CA British Columbia Provincial (Canada, 5/2015). Absorbed through skin.

TWA: 10 ppm 8 hours. STEL: 15 ppm 15 minutes.

CA Ontario Provincial (Canada, 7/2015).

Absorbed through skin. TWA: 10 ppm 8 hours. STEL: 15 ppm 15 minutes.

CA Quebec Provincial (Canada, 1/2014).

TWAEV: 10 ppm 8 hours. TWAEV: 52 mg/m³ 8 hours. STEV: 15 ppm 15 minutes. STEV: 79 mg/m³ 15 minutes.

CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin.

STEL: 15 ppm 15 minutes. TWA: 10 ppm 8 hours.

Appropriate engineering controls

Naphthalene

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls

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.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

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Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid.

Color : Not available.
Odor : Not available.
Odor threshold : Not available.

pH : 7

Melting point: Not available.Boiling point: Not available.

Flash point : Closed cup: -29°C (-20.2°F) [Pensky-Martens Closed Cup]

Evaporation rate : 5.6 (butyl acetate = 1)

Flammability (solid, gas) : Not available.

Lower and upper explosive : Lower: 0.8% (flammable) limits : Upper: 12.8%

Vapor pressure : 13.5 kPa (101.325 mm Hg) [at 20°C]

Vapor density : 1.55 [Air = 1]

Relative density : 0.73

Solubility : Not available.

Partition coefficient: noctanol/water : Not available.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Kinematic (40°C (104°F)): <0.205 cm²/s (<20.5 cSt)

Molecular weight : Not applicable.

Aerosol product

Type of aerosol : Spray **Heat of combustion** : 30.13 kJ/g

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Section 10. Stability and reactivity

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

Chemical stability: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame).

Incompatible materials : No specific data.

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|--------------------------|-----------------------|---------|--------------------------|----------|
| Acetone | LD50 Oral | Rat | 5800 mg/kg | - |
| Toluene | LC50 Inhalation Vapor | Rat | 49 g/m³ | 4 hours |
| | LD50 Oral | Rat | 636 mg/kg | - |
| Butane | LC50 Inhalation Vapor | Rat | 658000 mg/m ³ | 4 hours |
| Ethyl 3-Ethoxypropionate | LD50 Oral | Rat | 3200 mg/kg | - |
| Naphthalene | LD50 Dermal | Rabbit | >20 g/kg | - |
| • | LD50 Oral | Rat | 490 mg/kg | - |

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|--------------------------------------|--------------------------|------------|-------|----------------|-------------|
| Acetone | Eyes - Mild irritant | Human | - | 186300 parts | - |
| | | | | per million | |
| | Eyes - Mild irritant | Rabbit | - | 10 microliters | - |
| | Eyes - Moderate irritant | Rabbit | - | 24 hours 20 | - |
| | | | | milligrams | |
| | Eyes - Severe irritant | Rabbit | - | 20 milligrams | - |
| | Skin - Mild irritant | Rabbit | - | 24 hours 500 | - |
| | | | | milligrams | |
| | Skin - Mild irritant | Rabbit | - | 395 | - |
| | | | | milligrams | |
| Toluene | Eyes - Mild irritant | Rabbit | - | 0.5 minutes | - |
| | | | | 100 | |
| | | | | milligrams | |
| | Eyes - Mild irritant | Rabbit | - | 870 | - |
| | | | | Micrograms | |
| | Eyes - Severe irritant | Rabbit | - | 24 hours 2 | - |
| | | | | milligrams | |
| | Skin - Mild irritant | Pig | - | 24 hours 250 | - |
| | | | | microliters | |
| | Skin - Mild irritant | Rabbit | - | 435 | - |
| | | D 11.11 | | milligrams | |
| | Skin - Moderate irritant | Rabbit | - | 24 hours 20 | - |
| | Older Medanata indtant | D - 1-1-14 | | milligrams | |
| | Skin - Moderate irritant | Rabbit | - | 500 | - |
| Table of O. Each and managing of the | Chin Mild inviterat | Dabbit | | milligrams | |
| Ethyl 3-Ethoxypropionate | Skin - Mild irritant | Rabbit | - | 24 hours 500 | - |
| | | | | milligrams | |

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| Medium Aromatic | Skin - Mild irritant | Rabbit | - | 24 hours 500 | - |
|-----------------|------------------------|--------|---|---------------|---|
| Hydrocarbons | | | | microliters | |
| Naphthalene | Skin - Mild irritant | Rabbit | _ | 495 | - |
| | | | | milligrams | |
| | Skin - Severe irritant | Rabbit | - | 24 hours 0.05 | - |
| | | | | Mililiters | |

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|--|
| Toluene | - | 3 | - |
| Naphthalene | - | 2B | Reasonably anticipated to be a human carcinogen. |

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

| Name | Category | Route of exposure | Target organs |
|------------------------------|------------|-------------------|---|
| Acetone | Category 3 | Not applicable. | Respiratory tract irritation and Narcotic effects |
| Toluene | Category 3 | Not applicable. | Respiratory tract irritation and Narcotic effects |
| Propane | Category 3 | Not applicable. | Respiratory tract irritation and Narcotic effects |
| Butane | Category 3 | Not applicable. | Respiratory tract irritation and Narcotic effects |
| Medium Aromatic Hydrocarbons | Category 3 | Not applicable. | Respiratory tract irritation and Narcotic effects |
| Naphthalene | Category 3 | Not applicable. | Respiratory tract irritation and Narcotic effects |

Specific target organ toxicity (repeated exposure)

| Name | Category | Route of exposure | Target organs |
|------------------------------|------------|-------------------|----------------|
| Acetone | Category 2 | Not determined | Not determined |
| Toluene | Category 2 | Not determined | Not determined |
| Propane | Category 2 | Not determined | Not determined |
| Butane | Category 2 | Not determined | Not determined |
| Medium Aromatic Hydrocarbons | Category 2 | Not determined | Not determined |
| Naphthalene | Category 2 | Not determined | Not determined |

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Section 11. Toxicological information

Aspiration hazard

| Name | Result |
|-------------|--------------------------------|
| Toluene | ASPIRATION HAZARD - Category 1 |
| Propane | ASPIRATION HAZARD - Category 1 |
| Butane | ASPIRATION HAZARD - Category 1 |
| Naphthalene | ASPIRATION HAZARD - Category 1 |

Information on the likely

routes of exposure

: Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness. May cause respiratory irritation.

Skin contact: Causes skin irritation.

ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and

enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:

pain or irritation watering redness

Inhalation : Adverse symptoms may include the following:

respiratory tract irritation

coughing

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness reduced fetal weight increase in fetal deaths skeletal malformations

Skin contact: Adverse symptoms may include the following:

irritation redness

reduced fetal weight increase in fetal deaths skeletal malformations

Ingestion : Adverse symptoms may include the following:

nausea or vomiting reduced fetal weight increase in fetal deaths skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate

: Not available.

effects

Potential delayed effects

: Not available.

Long term exposure

Potential immediate : Not available.

effects

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Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General: May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity : Suspected of causing cancer. Risk of cancer depends on duration and level of

exposure.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : Suspected of damaging the unborn child.

Developmental effects : No known significant effects or critical hazards.Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

| Route | ATE value |
|-------|--------------|
| Oral | 3054.4 mg/kg |

Section 12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|-------------------------------------|---|----------|
| Acetone | Acute EC50 7200000 μg/l Fresh water | Algae - Selenastrum sp. | 96 hours |
| | Acute LC50 6000000 µg/l Fresh water | Crustaceans - Gammarus pulex | 48 hours |
| | Acute LC50 6900 mg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 5600 ppm Fresh water | Fish - Poecilia reticulata | 96 hours |
| | Chronic NOEC 4.95 mg/l Marine water | Algae - Ulva pertusa | 96 hours |
| | Chronic NOEC 0.016 ml/L Fresh water | Crustaceans - Daphniidae | 21 days |
| | Chronic NOEC 0.1 ml/L Fresh water | Daphnia - Daphnia magna - Neonate | 21 days |
| Toluene | Acute EC50 12500 μg/l Fresh water | Algae - Pseudokirchneriella subcapitata | 72 hours |
| | Acute EC50 11600 μg/l Fresh water | Crustaceans - Gammarus pseudolimnaeus - Adult | 48 hours |
| | Acute EC50 6000 μg/l Fresh water | Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling) | 48 hours |
| | Acute LC50 5500 μg/l Fresh water | Fish - Oncorhynchus kisutch - Fry | 96 hours |
| | Chronic NOEC 1000 µg/l Fresh water | Daphnia - Daphnia magna | 21 days |
| Naphthalene | Acute EC50 1600 μg/l Fresh water | Daphnia - Daphnia magna - Neonate | 48 hours |
| | Acute LC50 2350 µg/l Marine water | Crustaceans - Palaemonetes pugio | 48 hours |
| | Acute LC50 213 μg/l Fresh water | Fish - Melanotaenia fluviatilis - Larvae | 96 hours |

Persistence and degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| Acetone | - | - | Readily |
| Toluene | - | - | Readily |

Bioaccumulative potential

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|------------------------------------|-----------|------------------------|--------------|---------|--------|-------|
|------------------------------------|-----------|------------------------|--------------|---------|--------|-------|

Section 12. Ecological information

| Product/ingredient name | LogPow | BCF | Potential |
|-------------------------|--------|-------------|-----------|
| Toluene | - | 90 | low |
| Medium Aromatic | - | 99 to 5780 | high |
| Hydrocarbons | | | |
| Naphthalene | - | 36.5 to 168 | low |

Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

| | DOT Classification | TDG Classification | Mexico Classification | IATA | IMDG |
|----------------------------|-----------------------|--|--------------------------|---------------------|--|
| UN number | UN1950 | UN1950 | UN1950 | UN1950 | UN1950 |
| UN proper shipping name | AEROSOLS | AEROSOLS | AEROSOLS | AEROSOLS, flammable | AEROSOLS |
| Transport hazard class(es) | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| Packing group | - | - | - | - | - |
| Environmental hazards | No. | No. | No. | No. | No. |
| Additional information | - | Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2. 13-2.17 (Class 2). | - | _ | Emergency schedules (EmS) F-D, S-U |
| | ERG No. | ERG No. | ERG No. | | |
| | 126 | 126 | 126 | | |

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Section 14. Transport information

Special precautions for user :

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

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

: Not available.

Proper shipping name : Not available.

Ship type : Not available.

Pollution category : Not available.

Section 15. Regulatory information

SARA 313

SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

Procedure used to derive the classification

ASPIRATION HAZARD - Category 1

Classification

FLAMMABLE AEROSOLS - Category 1
GASES UNDER PRESSURE - Compressed gas
SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
CARCINOGENICITY - Category 2
TOXIC TO REPRODUCTION (Unborn child) - Category 2
SPECIFIC TARGET ORGAN TOXICITY (SINGLE
EXPOSURE) (Respiratory tract irritation) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (SINGLE
EXPOSURE) (Narcotic effects) - Category 3
SPECIFIC TARGET ORGAN TOXICITY (REPEATED
EXPOSURE) - Category 2

Justification

On basis of test data Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method

Calculation method

Calculation method

Calculation method

History

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Section 16. Other information

Date of printing : 11/2/2016

Date of issue/Date of : 11/2/2016

revision

Date of previous issue : 10/14/2016

Version : 3.01

Key to abbreviations : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by Sherwin-Williams, including but not limited to the incorporation of non Sherwin-Williams products or the use or addition of products in proportions not specified by Sherwin-Williams. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.

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Chartpak, Inc.
One River Road
Leeds, MA 01053

Phone: 413-584-5446 or 800-628-1910

Emergency Medical Number: Poison Control 800-222-1222
Emergency Transport Number: Chemtrec 800-424-9300 (CCN4391)
General Inquiry Number: Chartpak 413-584-5446
Date: November 4, 2011

Section One: Product Information

Product Name: Grumbacher Final Fixative (Acrylic) Matte/Gloss

Product Sizes: 4.75 oz., 12.75 oz.

Product Class: Aerosols

| Section Two: | ingredients | | | | |
|--------------|-------------|------------|-------------|---------|--|
| Ingredients | | CAS Number | % by Weight | PEL/TLV | |

| Ingredients | CAS Number | % by weight | PEL/ILV |
|-------------------------|------------|-------------|----------|
| Xylene | 1330-20-7 | 40% | 100 ppm |
| Acetone | 67-64-1 | 40% | 750 ppm |
| Liquefied Petroleum Gas | 68476-85-7 | 30% | 1000 ppm |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Section Three: Hazards Identification

DANGER: EXTREMELY FLAMMABLE. VAPOR HARMFUL.. EYE IRRITANT.

Do not smoke when using. Keep away from eyes. Avoid contact with heat, sparks and open flame. Vapors can ignite explosively. If using indoors turn off all pilot lights, Don not store or use near heat or flame.

KEEP OUT OF REACH OF CHILDREN. Use only with adequate ventilation.

CONTAINS: ACETONE

| Section Four: | First Aid Measures |
|---------------|--------------------|
| | |

Inhalation: If inhalation symptoms occur, move to fresh air.

Skin Contact: Wash with soap and water.

Eye Contact: Flush with flowing water immediately and continuously for 5-10 minutes. If irritation persists, seek medical care.

Ingestion: Consult a physician. For further health information, contact a poison control center.

This Material Safety Data Sheet is applicable to the consumer use of the following colors: 543, 549, 643, 649

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Section Five: Fire Fighting Measures

Flash Point:

0°F Closed Cup (Acetone)

Flammability Limits (% by volume):

ower: 2.5% (Acetone)

Upper: 12.8% (Acetone)

Extinguishing Media:

Foam, carbon dioxide, dry chemical

Special Fire Fighting Measures:

Water may be used to cool closed contains to prevent pressure buildup and possible bursting when

exposed to high temperatures. Firemen should wear self-contained respiratory equipment.

Unusual Fire and Explosion

Hazards:

Extremely flammable. Contents under pressure. Containers may burst at temperatures above

130F

Section Six: Accidental Release Measures

Remove ignition sources. Evacuate area. Contain liquid; transfer to closed containers. Keep out of water entries.

Section Seven: Handling and Storage

Handling:

If using indoors, turn off all pilot lights. Use only with adequate ventilation.

Storage:

Do not store above 120F. KEEP OUT OF REACH OF CHILDREN.

Section Eight: Exposure Controls and Personal Protection

Respiratory Protection and Special Ventilation Requirements:

NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper

environment control.

Other Protective Equipment (Gloves, Goggles, Etc.):

Impervious gloves and safety glasses recommended.

Work/Hygiene Practices:

PRECAUTIONS: Avoid prolonged contact with skin. Wash hands immediately after use. Do not smoke, eat or drink when using. Do not store or use near heat or flame. Avoid contact with heat, sparks, and open flames. Vapors can ignite explosively. If using indoors, turn off all pilot lights. Use

only with adequate ventilation. Keep away from eyes.

Section Nine: Physical and Chemical Properties

Boiling Point:

133°F (Acetone)

Melting Point:

-140°F (Acetone)

Vapor Pressure:

180 mm HG (Acetone)

Specific Gravity:

0.87

Specific Vapor Density (AIR = 1):

Heavier than air

Evaporation Rate (Butyl Acetate = 1):

Solubility in Water:

Slight

Reactivity in Water:

Non-reactive

>1

Appearance and Odor:

Colorless liquid; characteristic odor

Section Ten: Stability and Reactivity

Stability:

Stable

Conditions to Avoid:

Ignition sources or excessive heat

Chemical Incompatibility:

Nitric plus acetic acids, nitric plus sulfuric acid, amines, strong oxidizing agents

Hazardous Decomposition:

Carbon monoxide, carbon dioxide

Hazardous Polymerization:

Will not occur

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Toxicological Information Section Eleven:

IARC Monographs:

No

National Toxicology Program:

No

OSHA Regulated:

Effects/Symptoms of

If cross-ventilation is not adequate, eye watering, headache, nausea, dizziness, and loss of coordination may occur.

Acute Exposure:

Deliberate inhalation may be harmful or fatal.

Effects/Symptoms of

Repeated and prolonged overexposure may lead to permanent brain damage and nervous system damage

Chronic Exposure:

Medical Conditions Usually

Unknown

Aggravated By Overexposure of This Product:

Section Twelve:

Ecological Information

Not available

Section Thirteen:

Disposal Considerations

Dispose in accordance with Federal, State, and Local Regulations. Do not incinerate closed or empty containers.

Section Fourteen: **Transport Information**

DOT: ORM-D IATA: ID 8000, Consumer Commodity, Class 9 IMDG: UN1950, Aerosols, Class 2.1, LTD. QTYS., Ems# F-D, S-U UN SHIPMENT: UN1950, Aerosols, Class 2.1, packing instruction 910

Section Fifteen:

Regulatory Information

TSCA INVENTORY:

The product on this Material Safety Data Sheet is not listed on the United States Environmental Protection Agency Toxic Substances Control Act Inventory. However, the components of the product are included in the TSCA Inventory.

Section Sixteen:

Other Information

HMIS Code

Health

Flammability

Reactivity

4 0

2

Personal Protection

Chartpak, Inc. is a member of The Art and Creative Materials Institute, Inc. This product is certified by the Institute to be labeled in accordance with the voluntary chronic hazard labeling standard ASTM D-4236 and is labeled with the CL (Cautionary Label) Seal. Products bearing the CL Seal are certified to be properly labeled in a program of toxicological evaluation by a medical expert for any known health risks and with information on the safe and proper use of these materials. Conforms to ASTM D-4236.

Professional Product. This product is not intended for use by children.

0=Minimal / 4 = Severe

May be used to comply with OSHA Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements.