

SAFETY DATA SHEET

Issuing Date 05-Sep-2019

Revision date 05-Sep-2019

Revision Number 1

1. Identification

Product identifier

Product Name C-831

Other means of identification

Product Code(s) ZCPDC831

Document ZCPDC831

Synonyms -S, -QT, -GL, -5G, -55DM, -30DM, 20KG, 230KG, 21KG, 22KG, 25KG, DM, 50DM, 28KG, 302KG, 600DM, 304KG, LB

Recommended use of the chemical and restrictions on use

Recommended use Industrial use

Restrictions on use No information available

Details of the supplier of the safety data sheet

Emergency telephone number

Company Phone Number Non emergency 276 629-7981

24 Hour Emergency Phone Number -

Emergency Telephone Chemtrec 1-800-424-9300

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| | |
|---------------------------|-------------|
| Respiratory sensitization | Category 1 |
| Carcinogenicity | Category 1B |

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Danger

Hazard statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause cancer

**Appearance** viscous**Physical state** Liquid**Odor** Slight**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/eye protection/face protection
 Avoid breathing dust/fume/gas/mist/vapors/spray
 In case of inadequate ventilation wear respiratory protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Harmful to aquatic life with long lasting effects
 Harmful to aquatic life

Unknown acute toxicity 98.491896 % of the mixture consists of ingredient(s) of unknown toxicity
 88.376896 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
 88.376896 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
 98.491896 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
 98.491896 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 98.491896 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. Composition/information on ingredients

Substance

Not applicable.

Mixture**Synonyms**

-S, -QT, -GL, -5G, -55DM, -30DM, 20KG, 230KG, 21KG, 22KG, 25KG, DM, 50DM, 28KG, 302KG, 600DM, 304KG, LB.

| Chemical name | CAS No. | Weight-% | Trade secret |
|----------------------|------------|----------|--------------|
| Plasticizer 34 | 8013-07-8 | 5 - <10 | * |
| Blowing Agent AZO | 123-77-3 | 1 - <3 | * |
| Petroleum Distillate | 64742-53-6 | 0.1 - 1 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

| | |
|---|--|
| General advice | Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. |
| Inhalation | May cause allergic respiratory reaction. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Get immediate medical advice/attention. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin contact | Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician. |
| Ingestion | May produce an allergic reaction. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention. |
| Self-protection of the first aider | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required. See section 8 for more information. |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|---|
| Symptoms | May cause allergy or asthma symptoms or breathing difficulties if inhaled. Coughing and/ or wheezing. Itching. Rashes. Hives. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|--|
| Note to physicians | May cause sensitization in susceptible persons. Treat symptomatically. |
|---------------------------|--|

5. Fire-fighting measures

| | |
|---|--|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Specific hazards arising from the chemical | Product is or contains a sensitizer. May cause sensitization by inhalation and skin contact. |
| Explosion data | |
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge | None. |
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|--|
| Personal precautions | Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal |
|-----------------------------|--|

protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Provide extract ventilation to points where emissions occur. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

8. Exposure controls/personal protection

Control parameters

Exposure Limits The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

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

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|----------------|--------------------------|
| Physical state | Liquid |
| Appearance | viscous |
| Color | white |
| Odor | Slight |
| Odor threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--|------------------------|-------------------------|
| pH | No data available | None known |
| Melting point / freezing point | No data available | None known |
| Boiling point / boiling range | >200 No data available | None known |
| Flash point | >200 No data available | None known |
| Evaporation rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability or explosive limits | No data available | |
| Lower flammability or explosive limits | No data available | |
| Vapor pressure | No data available | None known |
| Vapor density | No data available | None known |
| Relative density | 1.1 to 1.3 | |
| Water solubility | No data available | None known |
| Solubility in other solvents | No data available | None known |
| Partition coefficient | No data available | None known |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |

Other information

| | |
|----------------------|--------------------------|
| Explosive properties | No information available |
| Oxidizing properties | No information available |
| Softening point | No information available |
| Molecular weight | No information available |
| VOC Content (%) | <0.02 g/L .? |
| Liquid Density | No information available |
| Bulk density | No information available |

10. Stability and reactivity

| | |
|------------------------------------|---|
| Reactivity | No information available. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | None under normal processing. |
| Conditions to avoid | None known based on information supplied. |
| Incompatible materials | None known based on information supplied. |
| Hazardous decomposition products | None known based on information supplied. |

11. Toxicological information

Information on likely routes of exposure

Product Information

| | |
|---------------------|--|
| Inhalation | Specific test data for the substance or mixture is not available. May cause sensitization in susceptible persons. (based on components). |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). |
| Ingestion | Specific test data for the substance or mixture is not available. May cause additional affects as listed under "Inhalation". |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|-----------------|--|
| Symptoms | Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing. Coughing and/ or wheezing. |
|-----------------|--|

Acute toxicity**Numerical measures of toxicity**

No information available

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|------------------------|-----------------|
| ATEmix (oral) | 16,742.10 mg/kg |
| ATEmix (dermal) | 7,082.40 mg/kg |

| | |
|-------------------------------|---|
| Unknown acute toxicity | 98.491896 % of the mixture consists of ingredient(s) of unknown toxicity |
| | 88.376896 % of the mixture consists of ingredient(s) of unknown acute oral toxicity |
| | 88.376896 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity |
| | 98.491896 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas) |
| | 98.491896 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor) |
| | 98.491896 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist) |

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|------------------------------------|----------------------|-------------------------|--------------------------------------|
| Plasticizer 34 8013-07-8 | = 40 g/kg (Rat) | > 20 mL/kg (Rabbit) | - |
| Blowing Agent AZO 123-77-3 | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 6100 mg/m ³ (Rat) 4 h |
| Petroleum Distillate 64742-53-6 | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | = 2180 mg/m ³ (Rat) 4 h |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|---|
| Skin corrosion/irritation | No information available. |
| Serious eye damage/eye irritation | No information available. |
| Respiratory or skin sensitization | May cause sensitization by inhalation. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | Classification based on data available for ingredients. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|------------------------------------|-------|---------|-------|------|
| Petroleum Distillate 64742-53-6 | A2 | Group 1 | Known | X |

Legend**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

| | |
|---------------------------------|---------------------------|
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |
| Other adverse effects | No information available. |
| Interactive effects | No information available. |

12. Ecological information**Ecotoxicity** Harmful to aquatic life with long lasting effects.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|------------------------------------|---|---|----------------------------|---|
| Plasticizer 34 8013-07-8 | EC50: =8mg/L (72h, Desmodesmus subspicatus) | LC50: =900mg/L (48h, Leuciscus idus) | - | EC50: >100mg/L (24h, Daphnia magna) |
| Blowing Agent AZO 123-77-3 | - | - | - | EC50: =11mg/L (48h, Daphnia magna) |
| Petroleum Distillate 64742-53-6 | - | LC50: >5000mg/L (96h, Oncorhynchus mykiss) | - | EC50: >1000mg/L (48h, Daphnia magna) |

Persistence and degradability No information available.**Bioaccumulation** There is no data for this product.**Component Information**

| Chemical name | Partition coefficient |
|-------------------------------|-----------------------|
| Blowing Agent AZO 123-77-3 | -1.7 |

Other adverse effects No information available.**13. Disposal considerations****Waste treatment methods****Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

| | |
|------------------------|--------------------------------|
| Contaminated packaging | Do not reuse empty containers. |
| US EPA Waste Number | U043 |

14. Transport information

| | |
|-------------------|---------------|
| <u>DOT</u> | Not regulated |
| <u>TDG</u> | Not regulated |
| <u>MEX</u> | Not regulated |
| <u>ICAO (air)</u> | Not regulated |
| <u>IATA</u> | Not regulated |
| <u>IMDG</u> | Not regulated |
| <u>RID</u> | Not regulated |
| <u>ADR</u> | Not regulated |
| <u>ADN</u> | Not regulated |

15. Regulatory information

International Inventories

| | |
|---------------|---|
| TSCA | Contact supplier for inventory compliance status. |
| DSL/NDSL | Contact supplier for inventory compliance status. |
| EINECS/ELINCS | Contact supplier for inventory compliance status. |
| ENCS | Contact supplier for inventory compliance status. |
| IECSC | Contact supplier for inventory compliance status. |
| KECL | Contact supplier for inventory compliance status. |
| PICCS | Contact supplier for inventory compliance status. |
| AICS | Contact supplier for inventory compliance status. |

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:.

U.S. State Right-to-Know Regulations

US State Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|------------------------------------|------------|---------------|--------------|
| Petroleum Distillate 64742-53-6 | - | X | - |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. Other information

| | | | | |
|-----------------------------------|----------------------------------|-----------------------|---------------------------|---|
| <u>NFPA</u> | Health hazards 2 | Flammability 0 | Instability 0 | Physical and chemical properties - |
| <u>HMIS</u> | Health hazards * 2 | Flammability 0 | Physical hazards 0 | Personal protection X |
| <i>Chronic Hazard Star Legend</i> | <i>* = Chronic Health Hazard</i> | | | |

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGl(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 RTECS (Registry of Toxic Effects of Chemical Substances)
 World Health Organization

Issuing Date 05-Sep-2019

Revision date 05-Sep-2019

Revision Note No information available.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet

Data for Regulatory Rules

| Region | Template name | Revision Note |
|--------------------------|---------------|---------------|
| United States of America | AGHS | 2.0 |

| | |
|-----------------------|-----------------|
| Acute health hazard | Yes |
| Chronic Health Hazard | Yes |
| TSCA | Does not comply |
| DSL/NDSL | Does not comply |
| EINECS/ELINCS | Does not comply |
| ENCS | Does not comply |
| IECSC | Does not comply |
| KECL | Does not comply |
| PICCS | Does not comply |
| AICS | Does not comply |

GHS Product Information

Physical state Liquid

Americas (OSHA)

GHS Classification

Signal word Danger

| | |
|---------------------------|------------|
| Respiratory sensitization | Category 1 |
|---------------------------|------------|

| | |
|-------------------|---|
| Hazard statements | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| Signal word | Danger |

| | |
|-----------------|-------------|
| Carcinogenicity | Category 1B |
|-----------------|-------------|

| | |
|---------------------------|------------------|
| Hazard statements | May cause cancer |
| Signal word | Danger |
| Respiratory sensitization | - (H334) |
| Carcinogenicity | - (H350) |
| Graphic | |



Graphic

| | | |
|--|---|-------------------------|
| Hazard statements | May cause allergy or asthma symptoms or breathing difficulties if inhaled | May cause cancer |
| Hazard statements | H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled | H350 - May cause cancer |
| Precautionary Statements - EU (§28, 1272/2008) | P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing P201 - Obtain special instructions before use P281 - Use personal protective equipment as required P308 + P313 - IF exposed or concerned: Get medical advice/attention | |

Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Wear protective gloves/protective clothing/eye protection/face protection
 Avoid breathing dust/fume/gas/mist/vapors/spray
 In case of inadequate ventilation wear respiratory protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Inhalation

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 16,742.10

mg/kg

ATEmix (dermal) 7,082.40

mg/kg

Contains Blowing Agent AZO, Petroleum Distillate

Unknown aquatic toxicity 1.3519 % of the mixture consists of component(s) of unknown % hazards to the aquatic environment

Unknown Acute Aquatic Toxicity 89.5912

Unknown Chronic Aquatic Toxicity 1.3519

Product ATE Oral Status 1

Product ATE Dermal Status 1

Product ATE Inhalation - Gas Status 1

Product ATE Inhalation - Vapor Status 1

Product ATE Inhalation - Dust/Mist Status 1

Product Skin Corrosion Status 1

Product Eye Damage Status 1

Label elements

(Bad file name)

WARNING! This product can expose you to chemicals including those listed below, which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.