

SAFETY DATA SHEET

Published DateRevision DateRevision NumberMay-15-2019May-15-20192.5

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

Product identifier

Product code ADE435
Product name Regal Blue

Product category ADE Series SV Epoxy Screen Ink

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use
Recommended use Printing operations

Details of the supplier of the safety data sheet

UNITED STATES
UNITED KINGDOM
Nazdar Company
Nazdar Limited
8501 Hedge Lane Terrace
Shawnee, KS 66227
Barton Road
Heaton Mersey

Tel: +001-913-422-1888 Stockport, England SK4 3EG
Tel: +001-800-677-4657 Tel: +44 161 442 2111

Fax: +001-913-422-2294 www.nazdar.com

www.nazuar.com

Emergency telephone number

USA: Chemtrec: +001-800-424-9300 Outside USA: Chemtrec: +001-703-527-3887

24 Hour Emergency Phone Number

2. HAZARDS IDENTIFICATION

Classification

| Serious eye damage/eye irritation | Category 2 - (H319) |
|-----------------------------------|---------------------|
| Skin sensitization | Category 1 - (H317) |
| Flammable liquids | Category 3 - (H226) |

Label elements





Signal Word Warning

Hazard Statements

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

H226 - Flammable liquid and vapor

Precautionary Statements

P264 - Wash face, hands and any exposed skin thoroughly after handling

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P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P233 - Keep container tightly closed

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P403 + P235 - Store in a well-ventilated place. Keep cool

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

Hazards not otherwise classified (HNOC)

Causes mild skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| Component | CAS-No | Weight % | Trade Secret | Note |
|-------------------------------------|--------------|----------|-----------------|------|
| Resin | Trade Secret | 30 - 60 | * | |
| Dipropylene glycol monomethyl ether | 34590-94-8 | 10 - 30 | * | |
| Diacetone alcohol | 123-42-2 | 5 - 10 | * | |
| Propylene glycol monomethyl ether | 107-98-2 | 5 - 10 | * | |
| 2-Butoxyethanol | 111-76-2 | 1 - 5 | * | |
| Titanium dioxide | 13463-67-7 | 1 - 5 | * | |
| Additive | Trade Secret | < 0.5 | * | |
| Carbon black | 1333-86-4 | < 0.5 | * | |

^{*}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.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and

continue flushing for at least 15 minutes. Get medical attention if irritation develops and

persists.

Skin Contact Wash off immediately with soap and plenty of water for at least 15 minutes. Remove

contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

Inhalation Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or

stopped, administer artificial respiration. Get medical attention immediately.

Ingestion Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a

physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed

None under normal use conditions.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available.

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Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin and

clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people

away from and upwind of spill/leak.

Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches and waterways. Local authorities should be advised if significant spillages cannot be contained.

Methods and material for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Use clean non-sparking tools to collect absorbed material.

7. HANDLING AND STORAGE

Precautions for safe handling

HandlingUse personal protective equipment as required. Do not eat, drink or smoke when using this

product. Ensure adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from

open flames, hot surfaces and sources of ignition. Keep container closed when not in use.

Keep out of the reach of children.

Incompatible Products Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits

| Component | ACGIH TLV |
|-------------------------------------|---|
| Dipropylene glycol monomethyl ether | TWA: 100 ppm |
| 34590-94-8 | STEL: 150 ppm |
| | Skin |
| Diacetone alcohol | TWA: 50 ppm |
| 123-42-2 | |
| Propylene glycol monomethyl ether | TWA: 50 ppm |
| 107-98-2 | STEL: 100 ppm |
| 2-Butoxyethanol | TWA: 20 ppm |
| 111-76-2 | |
| Titanium dioxide | TWA: 10 mg/m ³ |
| 13463-67-7 | |
| Carbon black | TWA: 3 mg/m³ inhalable particulate matter |
| 1333-86-4 | |

| Component | OSHA PEL |
|-------------------------------------|----------------------------|
| Dipropylene glycol monomethyl ether | TWA: 100 ppm |
| 34590-94-8 | TWA: 600 mg/m ³ |

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| | Skin |
|-------------------|----------------------------|
| Diacetone alcohol | TWA: 50 ppm |
| 123-42-2 | TWA: 240 mg/m ³ |
| 2-Butoxyethanol | TWA: 50 ppm |
| 111-76-2 | TWA: 240 mg/m³ |
| | Skin |
| Titanium dioxide | TWA: 15 mg/m³ total dust |
| 13463-67-7 | - |
| Carbon black | TWA: 3.5 mg/m ³ |
| 1333-86-4 | |

| Component | OSHA PEL (vacated) |
|-------------------------------------|-----------------------------|
| Dipropylene glycol monomethyl ether | TWA: 100 ppm |
| 34590-94-8 | TWA: 600 mg/m ³ |
| | STEL: 150 ppm |
| | STEL: 900 mg/m ³ |
| | Skin |
| Diacetone alcohol | TWA: 50 ppm |
| 123-42-2 | TWA: 240 mg/m ³ |
| Propylene glycol monomethyl ether | TWA: 100 ppm |
| 107-98-2 | TWA: 360 mg/m ³ |
| | STEL: 150 ppm |
| | STEL: 540 mg/m ³ |
| 2-Butoxyethanol | TWA: 25 ppm |
| 111-76-2 | TWA: 120 mg/m ³ |
| | Skin |
| Titanium dioxide | TWA: 10 mg/m³ total dust |
| 13463-67-7 | |
| Carbon black | TWA: 3.5 mg/m ³ |
| 1333-86-4 | |

| Component | Ontario TWAEV |
|-------------------------------------|---------------------------|
| Dipropylene glycol monomethyl ether | TWA: 100 ppm |
| 34590-94-8 | STEL: 150 ppm |
| | Skin |
| Diacetone alcohol | TWA: 50 ppm |
| 123-42-2 | |
| Propylene glycol monomethyl ether | TWA: 50 ppm |
| 107-98-2 | STEL: 100 ppm |
| 2-Butoxyethanol | TWA: 20 ppm |
| 111-76-2 | |
| Titanium dioxide | TWA: 10 mg/m ³ |
| 13463-67-7 | |
| Carbon black | TWA: 3 mg/m³ inhalable |
| 1333-86-4 | |

| Component | Mexico OEL (TWA) |
|-------------------------------------|------------------------------------|
| Dipropylene glycol monomethyl ether | TWA/VLE-PPT: 100 ppm |
| 34590-94-8 | TWA/VLE-PPT: 60 mg/m ³ |
| | STEL/PPT-CT: 150 ppm |
| | STEL/PPT-CT: 900 mg/m ³ |
| Diacetone alcohol | TWA/VLE-PPT: 50 ppm |
| 123-42-2 | TWA/VLE-PPT: 240 mg/m ³ |
| | STEL/PPT-CT: 75 ppm |
| | STEL/PPT-CT: 360 mg/m ³ |
| 2-Butoxyethanol | TWA/VLE-PPT: 26 ppm |
| 111-76-2 | TWA/VLE-PPT: 120 mg/m ³ |
| | STEL/PPT-CT: 75 ppm |
| | STEL/PPT-CT: 360 mg/m ³ |
| Titanium dioxide | TWA/VLE-PPT: 10 mg/m ³ |
| 13463-67-7 | STEL/PPT-CT: 20 mg/m ³ |
| Carbon black | TWA/VLE-PPT: 3.5 mg/m ³ |
| 1333-86-4 | STEL/PPT-CT: 7 mg/m³ |

Appropriate engineering controls

Engineering Measures

Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are

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> advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles). If splashes are likely to occur:. Wear

suitable face shield. Ensure that eyewash stations and safety showers are close to the

workstation location.

Skin Protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls,

as appropriate, to prevent skin contact.

Hand Protection Chemical resistant protective gloves.

> Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding >480 minutes of permeation time): eq. nitrile rubber (0.4 mm), chloroprene

rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers. Taking into account the varying conditions, the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time

determined through testing.

Due to different glove types, the manufacturer's directions for use should be observed. Replace gloves immediately when torn or any change in appearance is noticed such as

dimension, color, flexibility.

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved **Respiratory Protection**

> respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of

the material.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before

eating, drinking or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of

equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid **Appearance** Colored Liquid Odor Characteristic Odor Threshold

No information available

Property Values Remarks • Method На No data available

Melting Point / Freezing Point No data available **Boiling Point / Boiling Range** > 149 °C / 300 °F

Flash Point 52 °C / 125 °F Setaflash closed cup

Evaporation rate No data available Flammability Limit in Air

Upper flammability limit No data available Lower flammability limit No data available

Vapor Pressure No data available Vapor Density No data available

Specific Gravity Water Solubility No data available

1.12

Solubility in other solvents No data available Partition coefficient: n-octanol/water No data available **Autoignition Temperature** No data available

No data available **Decomposition temperature** Kinematic viscosity No data available **Dynamic viscosity** No data available

No data available **Explosive Properties Oxidizing Properties** No data available

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Other Information

Photochemically Reactive No Weight Per Gallon (lbs/gal) 9.3

| VOC by weight % | VOC by volume % | VOC lbs/gal | VOC grams/liter |
|-----------------|-----------------|--------------|-----------------|
| (less water) | (less water) | (less water) | (less water) |
| 36.65 | 38.65 | 3.41 | 408.98 |

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

Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials

Strong acids. Strong bases. Strong oxidizing agents. Reducing agent.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon dioxide (CO2). Carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

InhalationSpecific test data for the substance or mixture is not available.Eye ContactSpecific test data for the substance or mixture is not available.Skin ContactSpecific test data for the substance or mixture is not available.IngestionSpecific test data for the substance or mixture is not available.

| Component | Oral LD50 |
|--|---------------------|
| Dipropylene glycol monomethyl ether 34590-94-8 | = 5.35 g/kg(Rat) |
| Diacetone alcohol 123-42-2 | > 4 g/kg(Rat) |
| Propylene glycol monomethyl ether 107-98-2 | = 5000 mg/kg(Rat) |
| 2-Butoxyethanol 111-76-2 | = 470 mg/kg(Rat) |
| Titanium dioxide 13463-67-7 | > 10000 mg/kg(Rat) |
| Additive | > 3200 mg/kg(Rat) |
| Carbon black 1333-86-4 | > 15400 mg/kg (Rat) |

| Component | Dermal LD50 |
|--|-----------------------|
| Dipropylene glycol monomethyl ether 34590-94-8 | = 9500 mg/kg(Rabbit) |
| Diacetone alcohol 123-42-2 | = 13630 mg/kg(Rabbit) |
| Propylene glycol monomethyl ether 107-98-2 | = 13 g/kg(Rabbit) |
| 2-Butoxyethanol 111-76-2 | = 435 mg/kg(Rabbit) |

| Component | Inhalation LC50 |
|-----------------------------------|-----------------------|
| Diacetone alcohol | > 7.23 g/m³ (Rat) 8 h |
| 123-42-2 | |
| Propylene glycol monomethyl ether | > 7559 ppm (Rat) 6 h |
| 107-98-2 | |
| 2-Butoxyethanol | = 450 ppm (Rat) 4 h |
| 111-76-2 | = 486 ppm (Rat) 4 h |
| Additive | > 5.3 mg/L (Rat) 6 h |
| | |

Information on toxicological effects

Symptoms Specific test data for the substance or mixture is not available.

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

Skin corrosion/irritation Specific test data for the substance or mixture is not available.

Eye damage/irritation Specific test data for the substance or mixture is not available. Causes serious eye irritation.

(based on components).

CorrosivitySpecific test data for the substance or mixture is not available.
Specific test data for the substance or mixture is not available.

Sensitization Specific test data for the substance or mixture is not available. May cause an allergic skin

reaction. (based on components).

Mutagenic EffectsSpecific test data for the substance or mixture is not available.Carcinogenic effectsSpecific test data for the substance or mixture is not available.Reproductive EffectsSpecific test data for the substance or mixture is not available.STOT - single exposureSpecific test data for the substance or mixture is not available.STOT - repeated exposureSpecific test data for the substance or mixture is not available.Chronic ToxicitySpecific test data for the substance or mixture is not available.Aspiration hazardSpecific test data for the substance or mixture is not available.

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

| Carcinogenicity | The table below indicates whether | er each agency has listed any ingredient as a carcinogen. |
|-----------------|-----------------------------------|---|
| Component | | ACGIH |
| 2-Butoxyethanol | | A3 |
| 111-76-2 | | |
| Carbon black | | A3 |
| 1333-86-4 | | |

| Component | IARC |
|------------------|----------|
| Titanium dioxide | Group 2B |
| 13463-67-7 | · |
| Carbon black | Group 2B |
| 1333-86-4 | · |

| Component | OSHA |
|----------------------------|------|
| Titanium dioxide | X |
| 13463-67-7 Carbon black | X |
| 1333-86-4 | |

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0 % of the mixture consists of ingredient(s) of unknown toxicity

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

 ATEmix (oral)
 10,096.00 mg/kg

 ATEmix (dermal)
 22,210.00 mg/kg mg/l

ATEmix (inhalation-dust/mist) 30.30 mg/l ATEmix (inhalation-vapor) 222.00 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity

Specific test data for the substance or mixture is not available.

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Component | Fish |
|--|---|
| Dipropylene glycol monomethyl ether 34590-94-8 | 96h LC50 Pimephales promelas: > 10000 mg/L (static) |
| Diacetone alcohol 123-42-2 | 96h LC50 Lepomis macrochirus: = 420 mg/L (static) 96h LC50 Lepomis macrochirus: = 420 mg/L |
| Propylene glycol monomethyl ether 107-98-2 | 96h LC50 Pimephales promelas: = 20.8 g/L (static) |
| 2-Butoxyethanol 111-76-2 | 96h LC50 Lepomis macrochirus: = 2950 mg/L 96h LC50 Lepomis macrochirus: = 1490 mg/L (static) |
| Additive | 96h LC50 Pimephales promelas: > 1.55 mg/L (static) |

| Component | Crustacea |
|-------------------------------------|--------------------------------------|
| Dipropylene glycol monomethyl ether | 48h LC50 Daphnia magna: = 1919 mg/L |
| 34590-94-8 | |
| Propylene glycol monomethyl ether | 48h EC50 Daphnia magna: = 23300 mg/L |
| 107-98-2 | |
| 2-Butoxyethanol | 48h EC50 Daphnia magna: > 1000 mg/L |
| 111-76-2 | |
| Additive | 48h EC50 Daphnia magna: > 1.46 mg/L |
| | |

Persistence and Degradability

No information available.

Bioaccumulation

No information available

| Component | Partition coefficient |
|-------------------------------------|-----------------------|
| Dipropylene glycol monomethyl ether | -0.064 |
| 34590-94-8 | |
| Diacetone alcohol | 1.03 |
| 123-42-2 | |
| Propylene glycol monomethyl ether | -0.437 |
| 107-98-2 | |
| 2-Butoxyethanol | 0.81 |
| 111-76-2 | |

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods Contain and dispose of waste according to local regulations.

Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

Note: This information is not intended to convey all specific transportation requirements relating to

this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation information can be found in the specific regulations for your mode of transportation. It is the responsibility of the transporting organization to follow all applicable laws, regulations and

rules relating to the transportation of the material.

DOT In the U.S. and Canada, this material may be reclassified as a combustible liquid and is not

regulated, via surface transportation, in containers less than 119 gallons or 450 liters [per 49 CFR 173.150 (f)] [per Transportation of Dangerous Goods Regulations/Clear Language

Part 1.33].

UN/ID no. UN1210
Proper Shipping Name Printing Ink

Hazard Class 3
Packing Group III

ICAO / IATA / IMDG / IMO

UN/ID no. UN1210
Proper Shipping Name UN1210
Printing Ink

Hazard Class 3
Packing Group III

15. REGULATORY INFORMATION

International Inventories

All components are listed on the TSCA Inventory. For further information, please contact:. Supplier (manufacturer/importer/downstream user/distributor).

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372.

| Component | CAS-No | Weight % | SARA 313 - Threshold Values |
|-----------------|----------|----------|--------------------------------|
| 2-Butoxyethanol | 111-76-2 | 1 - 5 | 1.0 |

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

U.S. State Regulations

| The state of the s | Massachusetts Right To Know |
|--|--------------------------------|
| Dipropylene glycol monomethyl ether 34590-94-8 | X |
| Diacetone alcohol 123-42-2 | X |
| Propylene glycol monomethyl ether 107-98-2 | X |
| 2-Butoxyethanol 111-76-2 | X |
| Titanium dioxide 13463-67-7 | X |
| Carbon black 1333-86-4 | X |

| Component | Minnesota |
|-------------------------------------|---------------|
| • | Right To Know |
| Dipropylene glycol monomethyl ether | X |
| 34590-94-8 | |
| Diacetone alcohol | X |
| 123-42-2 | |
| Propylene glycol monomethyl ether | X |
| 107-98-2 | |

| 2-Butoxyethanol 111-76-2 | X |
|-------------------------------|---|
| Titanium dioxide X 13463-67-7 | X |
| Carbon black X 1333-86-4 | X |

| | New Jersey Right To Know |
|--|-----------------------------|
| Dipropylene glycol monomethyl ether 34590-94-8 | x |
| Diacetone alcohol 123-42-2 | Х |
| Propylene glycol monomethyl ether 107-98-2 | Х |
| 2-Butoxyethanol 111-76-2 | Х |
| Titanium dioxide 13463-67-7 | Х |
| Carbon black 1333-86-4 | X |

| Component | Pennsylvania Right To Know |
|--|----------------------------|
| Dipropylene glycol monomethyl ether 34590-94-8 | X |
| Diacetone alcohol 123-42-2 | X |
| Propylene glycol monomethyl ether 107-98-2 | X |
| 2-Butoxyethanol 111-76-2 | X |
| Titanium dioxide 13463-67-7 | X |
| Carbon black 1333-86-4 | X |

California Prop. 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

| Component | California Prop. 65 |
|------------------|---------------------|
| Titanium dioxide | Carcinogen |
| Carbon black | Carcinogen |

⁻ This product contains titanium dioxide in a non-respirable form. Inhalation of titanium dioxide is unlikely to occur from exposure to this product

Canada

| Component | NPRI - National Pollutant Release Inventory | | |
|-------------------------------------|---|--|--|
| Dipropylene glycol monomethyl ether | Part 5, Other Groups and Mixtures; Part 4 Substance | | |
| 34590-94-8 | | | |
| Diacetone alcohol | Part 4 Substance | | |
| 123-42-2 | | | |
| Propylene glycol monomethyl ether | Part 5, Other Groups and Mixtures; Part 4 Substance | | |
| 107-98-2 | · | | |
| 2-Butoxyethanol | Part 5, Individual Substances; Part 4 Substance | | |
| 111-76-2 | | | |

| 16. OTHER INFORMATION | | | | | | |
|-----------------------|--------|--------------|------------|---------------------|--|--|
| HMIS: | Health | Flammability | Reactivity | Personal Protection | | |

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

⁻ This product contains carbon black in a non-respirable form. Inhalation of carbon black is unlikely to occur from exposure to this product

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Legend - Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value

ACGIH: (American Conference of Governmental Industrial Hygienists)

A1 - Known Human Carcinogen A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2A - Probably Carcinogenic to Humans Group 2B - Possibly Carcinogenic to Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

Reasonably Anticipated to be a Human Carcinogen
OSHA: (Occupational Safety & Health Administration)

X - Present

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Pursuant to NOM-018-STPS-2015

This information within is considered correct but is not exhaustive and will be used for guidance only, which is based on the current knowledge of the substance or mixture and is applicable to the appropriate safety precautions for the product.

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