



SDS

SAFETY DATA SHEET

RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

Date: 1/17/18

This SDS sheet covers the following Jacquard products:

- JAC9319 Large Tie Dye Kit
- JAC9320 Large Tie Dye Kit
- JAC9325 Large Tie Dye Kit
- JAC9444 Funky Groovy Tie Dye Kit
- JAC9445 Funky Groovy Tie Dye Kit
- PMX1KIT Tie Dye Class Pack
- PMX2KIT Large Tie Dye Class Pack

These kits and class packs contain:

Dyes

- Procion MX 004 Lemon Yellow (pages 1-8)
- Procion MX 034 Magenta (pages 9-16)
- Procion MX 068 Turquoise (pages 17-24)

Dye Fixer

- Soda Ash (pages 25-38)



Date: 1/17/18

1. Substance/preparation and company identification

Product : Procion MX Dye - Lemon Yellow
Product number(s) : PMX1-PMX3 004
C. I. Name : Reactive Yellow 86
Identification of the product : Synthetic Organic Dyes
Recommended use : Dye for fabric

Company: Rupert, Gibbon & Spider, Inc., 1147 Healdsburg Avenue, Healdsburg, CA 95448
Tel: 800-442-0455 service@jacquardproducts.com

Emergency Contact Number: CHEMTREC (24HR Emergency Telephone), call 1-800-424-9300
International CHEMTREC, call 1-707-527-3887.
For non-emergency assistance, call: 1-800-442-0455

2. Hazard identification

Classification:

Skin corrosion/irritation-----Category 2

Serious eye damage /eye irritation-----Category 2

EMERGENCY OVERVIEW

signal word

WARNING

Hazard statements-EU:

H315 – Causes skin irritation

H319 - Causes serious eye irritation



Precautionary statements-EU:

P310 – Immediately call a POISON CENTER or doctor/physician

P302+ P352 – IF ON SKIN: Wash with plenty of soap and water

P321- Specific treatment (see supplemental first aid instructions on this label)

P332+ P313 –if skin irritation occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

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

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

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

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

Unknown Acute Toxicity - 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on ingredients

Product : Procion MX Dye 004 Lemon Yellow
C. I. Name : Reactive Yellow 86
Substance name C.A.S. No. : 61951-86-8

4. First-aid measures

General information : Remove contaminated clothing immediately and dispose of safely.
After inhalation : Remove the casualty into fresh air and keep him calm.
After contact with skin : In case of contact with skin wash off immediately with soap and plenty of water
After contact with eyes : In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
After ingestion : Clean mouth with water and drink plenty of water afterwards.

5. Fire-fighting measures

Suitable extinguishing media : Water spray jet, Foam, Carbon dioxide, Dry powder

Specific Hazards Arising from the chemical: High temperature may liberate toxic gases when mixed with and exposed to an ignition source, dust may burn in the open or explode if confined.

Explosion Data

Sensitivity to Mechanical Impact : None

Sensitivity to Static Discharge : Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

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.

6. Accidental release measuresPersonal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with the skin and the eyes. User personal protective equipment. For personal protection, see section 8. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Metholds and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Pick up mechanically, dilute remaining rest with water & pick up with absorbent material (sawdust, sand, universal binder).

Avoid dust formation. When picked up, treat material as prescribed under heading "Disposal." Clean contaminated surface thoroughly.

7. Handling and storageAdvice on safe handling:

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke with using this product. Use personal protection recommended in Section 8. Avoid all unnecessary exposure.



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Advice on protection against fire and explosion: Keep away from sources of ignition – avoid smoking

Storage: Keep away from heat. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible products : None known based on information supplied.



8. Exposure controls and personal protection

Control Parameters

Exposure Guidelines: This product, as supplied, does NOT contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure Controls

Engineering Measures: Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection: Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Do not inhale dust. Provide suitable ventilation

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product and apply skin cream. Wear personal protective equipment.

9. Physical and chemical properties

Product	: Procion MX Dye 004 Lemon Yellow
C. I. Name	: Reactive Yellow 86
CAS No.	: 61951-86-8
Chemical family	: Reactive Dyes
Appearance	: Yellow to Dark Brown powder
Physical state	: Powder
Odor	: Odorless
PH Value	: (4.5 – 6.5)
Initial boiling point (°c)	: No data available
Density (Kg / m3)	: 600 – 800
Vapor Pressure (hpa)	: Not applicable
Solubility in water (g/l)	: > 100 g/l (25°c)
Flash point (°c)	: Not applicable
Flammability	: Non Flammable
Vapor Pressure	: Not applicable
Relative Density	:No data available
Evaporation Rate	:No data available
Partition coefficient	
n-octanol/water	:No data available
Auto-ignition temperature:	No data available
Viscosity	:No data available

**10. Stability and reactivity**

Reactivity	:	No data available
Chemical Stability	:	Stable under recommended storage conditions
Hazardous reactions	:	Stable under recommended storage conditions
Conditions to avoid	:	Strong reducing agents, Oxidizing agent
Incompatible materials	:	None known based on information supplied
Thermal decomposition	:	No data available
Hazardous decomposition products	:	On exposure to high temperature, may decompose, releasing toxic vapors
Hazardous Polymerization	:	Will not undergo Polymerization

11. Toxicological informationInformation on Likely Routes of Exposure

Product Information	:	Product dot NOT present an acute toxicity hazard based on known or supplied information
Skin contact	:	Avoid contact with skin. Slight irritant.
Eye contact	:	Avoid contact with eyes. Slight irritant.
Inhalation	:	Avoid breathing vapors or mists.
Ingestion	:	Not an expected route of exposure. Do NOT taste or swallow.

Information on Toxicological Effects

Symptoms	:	No information available.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	:	May cause sensitization by inhalation and skin contact.
Mutagenic effects	:	No mutagenic effects reported.
Carcinogenicity	:	No information available.
Reproductive Toxicity	:	No information available.
Specific target organ systemic toxicity (single exposure)	:	No information available.
Specific target organ systemic toxicity (repeated exposure)	:	No information available.
Aspiration Hazard	:	No information available.
Corrosivity	:	None.

Numerical Measures of Toxicity – Product Information

Unknown Acute Toxicity	:	100 percent of the mixture consists of ingredient(s) of unknown acute toxicity
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Further information

Persons with respiratory tract allergies should avoid direct contact with reactive dyes.

**12. Ecological information Persistence and degradability**

L. ides LC 50 (mg/l) : 1000 – 48h
WGK class (Germany) : No data available
Biodegradation (%) : No data available
AOX : 0

Other adverse Effects : No information available

13. Disposal considerationsWaste treatment**Waste Disposal Methods**

Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulation

14. Transport information

UN-Number
DOT, ADN, IMDG, IATA : Not Regulated

UN proper shipping name
DOT, ADN, IMDG, IATA : Not Regulated

Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class
Not Regulated

Packing group
DOT, IMDG, IATA : Not Regulated

Environmental hazards
Marine pollutant: No

Special precautions for user : Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code : Not applicable.
UN "Model Regulation": -

Further information : Not classified as hazardous under transport conditions.
Protect against moisture, store / load separately from food.

15. Regulatory information

Regulations of the European union (Labeling) / National legislation/Regulations
The product does not require a hazard warning label in accordance with EC Directives.

International Inventories

TSCA	Listed
EINECS/ELINCS	Not Determined
DSL	Not Determined
NDSL	Not Determined
PICCS	Not Determined
ENCS	Not Determined
IECSC	Not Determined
AICS	Not Determined
KECL	Not Determined
NZIoC	Not Determined

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

REACH registration number Keystone has taken all relative steps to ensure REACH-Compliance.
Please contact us with any REACH-Related questions at
REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII- No information available

US Federal RegulationsSARA 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

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

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 RegulationsCalifornia Proposition 65

This product does NOT contain any Proposition 65 chemicals.

U.S. State Right-to-Know RegulationsInternational regulations

CANADA

WHMIS Note

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS

Health Hazard 1 flammability 1 Physical hazard 0 PERSONAL PROTECTION F

16. Other information

Revision Date 1/17/2018
Revision note No information available.
Contact Information Website www.jacquardproducts.com

Recommended uses: Dyes of this type can cause respiratory restrictions/sensitization in some individuals and it is advisable to avoid breathing aerosol and dust. Persons who suffer from asthmatic or breathing problems should not handle these dyes. Recipients of our product must take responsibility for observing existing laws and regulations.

This information is based on our present state of knowledge. It should not therefore be considered as guarantee. Specific properties of the products are described according to their suitability for a particular application.

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Disclaimer: This brief provides a general overview of the safety data sheet requirements in the Hazard Communication Standard (see 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200). It does not alter or determine compliance responsibilities in the standard or the Occupational Safety and Health Act of 1970. Since interpretations and enforcement policy may change over time, the reader should consult current OSHA interpretations and decisions by the Occupational Safety and Health Review Commission and the courts for additional guidance on OSHA compliance requirements. Please note that states with OSHA-approved state plans may have additional requirements for chemical safety data sheets, outside of those outlined above. For more information on those standards, please visit:
<http://www.osha.gov/dcsp/osp/statestandards.html>.



Date: 1/17/18

1. Substance/preparation and company identification

Product : Procion MX Dye - Magenta
Product number(s) : PMX1-PMX3
C. I. Name : Reactive Red 2
Identification of the product : Synthetic Organic Dyes
Recommended use : Dye for fabric

Company: Rupert, Gibbon & Spider, Inc., 1147 Healdsburg Avenue, Healdsburg, CA 95448
Tel: 800-442-0455 service@jacquardproducts.com

Emergency Contact Number: CHEMTREC (24HR Emergency Telephone), call 1-800-424-9300
International CHEMTREC, call 1-707-527-3887.
For non-emergency assistance, call: 1-800-442-0455

2. Hazard identification

Classification:

Skin corrosion/irritation-----Category 2

Serious eye damage /eye irritation-----Category 2

EMERGENCY OVERVIEW

signal word

WARNING

Hazard statements-EU:

H315 – Causes skin irritation

H319 - Causes serious eye irritation



Precautionary statements-EU:

P310 – Immediately call a POISON CENTER or doctor/physician

P302+ P352 – IF ON SKIN: Wash with plenty of soap and water

P321- Specific treatment (see supplemental first aid instructions on this label)

P332+ P313 –if skin irritation occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

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

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

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

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

Unknown Acute Toxicity - 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on ingredients

Product : Procion MX Dye 034 Magenta
C. I. Name : Reactive Red 2
Substance name C.A.S. No. : 17804 - 49 - 8

4. First-aid measures

General information : Remove contaminated clothing immediately and dispose of safely.
After inhalation : Remove the casualty into fresh air and keep him calm.
After contact with skin : In case of contact with skin wash off immediately with soap and plenty of water
After contact with eyes : In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
After ingestion : Clean mouth with water and drink plenty of water afterwards.

5. Fire-fighting measures

Suitable extinguishing media : Water, spray jet, Foam, Carbon dioxide, Dry powder

Specific Hazards Arising from the chemical: High temperature may liberate toxic gases when mixed with and exposed to an ignition source, dust may burn in the open or explode if confined.

Explosion Data

Sensitivity to Mechanical Impact : None

Sensitivity to Static Discharge : Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

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.

6. Accidental release measuresPersonal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with the skin and the eyes. User personal protective equipment. For personal protection, see section 8. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Metholds and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Pick up mechanically, dilute remaining rest with water & pick up with absorbent material (sawdust, sand, universal binder).

Avoid dust formation. When picked up, treat material as prescribed under heading "Disposal." Clean contaminated surface thoroughly.

7. Handling and storageAdvice on safe handling:

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke with using this product. Use personal protection recommended in Section 8. Avoid all unnecessary exposure.



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Advice on protection against fire and explosion: Keep away from sources of ignition – avoid smoking

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible products : None known based on information supplied.



8. Exposure controls and personal protection

Control Parameters

Exposure Guidelines: This product, as supplied, does NOT contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure Controls

Engineering Measures: Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection: Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Do not inhale dust. Provide suitable ventilation

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product and apply skin cream. Wear personal protective equipment.

9. Physical and chemical properties

Product	: Procion MX Dye 034 Magenta
C. I. Name	: Red 2
Chemical family	: Reactive Dyes
Appearance	: Dark Red powder
Odor	: Odorless
PH Value	: (4.5 – 6.5)
Initial boiling point (°c)	: No data available
Density (Kg / m3)	: 600 – 800
Vapor Pressure (hpa)	: Not applicable
Solubility in water (g/l)	: > 100 g/l (25°c)
Flash point (°c)	: Not applicable
Flammability	: Non Flammable
Vapor Pressure	: Not applicable
Relative Density	:No data available
Evaporation Rate	:No data available
Partition coefficient n-octanol/water	:No data available
Auto-ignition temperature:	No data available
Viscosity	:No data available

**10. Stability and reactivity**

Reactivity	:	No data available
Chemical Stability	:	Stable under recommended storage conditions
Hazardous reactions	:	Stable under recommended storage conditions
Conditions to avoid	:	None known
Incompatible materials	:	None known based on information supplied
Thermal decomposition	:	No data available
Hazardous decomposition products	:	On exposure to high temperature, may decompose, releasing toxic vapors
Hazardous Polymerization	:	Will not undergo Polymerization

11. Toxicological informationInformation on Likely Routes of Exposure

Product Information	:	Product dot NOT present an acute toxicity hazard based on known or supplied information
Skin contact	:	Avoid contact with skin. Slight irritant.
Eye contact	:	Avoid contact with eyes. Slight irritant.
Inhalation	:	Avoid breathing vapors or mists.
Ingestion	:	Not an expected route of exposure. Do NOT taste or swallow.

Information on Toxicological Effects

Symptoms	:	No information available.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	:	May cause sensitization by inhalation and skin contact.
Mutagenic effects	:	No mutagenic effects reported.
Carcinogenicity	:	No information available.
Reproductive Toxicity	:	No information available.
Specific target organ systemic toxicity (single exposure)	:	No information available.
Specific target organ systemic toxicity (repeated exposure)	:	No information available.
Aspiration Hazard	:	No information available.
Corrosivity	:	None.

Numerical Measures of Toxicity – Product Information

Unknown Acute Toxicity	:	100 percent of the mixture consists of ingredient(s) of unknown acute toxicity
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Further information

Persons with respiratory tract allergies should avoid direct contact with reactive dyes.

**12. Ecological information Persistence and degradability**

L. ides LC 50 (mg/l) : 1000 – 48h
WGK class (Germany) : No data available
Biodegradation (%) : No data available
AOX : 0

Other adverse Effects : No information available

13. Disposal considerationsWaste treatment**Waste Disposal Methods**

Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulation

14. Transport information**UN-Number**

DOT, ADN, IMDG, IATA : Not Regulated

UN proper shipping name

DOT, ADN, IMDG, IATA : Not Regulated

Transport hazard class(es) DOT, ADR, ADN, IMDG,
IATA Class : Not Regulated

Packing group

DOT, IMDG, IATA : Not Regulated

Environmental hazards

Marine pollutant: : No

Special precautions for user

: Not applicable.

Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code

: Not applicable.

UN "Model Regulation":

-

Further information

: Not classified as hazardous under transport conditions.
Protect against moisture, store / load separately from food.

15. Regulatory information

Regulations of the European union (Labeling) / National legislation/Regulations

The product does not require a hazard warning label in accordance with EC Directives.

International Inventories

TSCA	Listed
EINECS/ELINCS	Not Determined
DSL	Not Determined
NDSL	Not Determined
PICCS	Not Determined
ENCS	Not Determined
IECSC	Not Determined
AICS	Not Determined
KECL	Not Determined
NZIoC	Not Determined

Legend

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

REACH registration number Keystone has taken all relative steps to ensure REACH-Compliance.
Please contact us with any REACH-Related questions at
REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII- No information available

US Federal RegulationsSARA 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

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

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 RegulationsCalifornia Proposition 65

This product does NOT contain any Proposition 65 chemicals.

U.S. State Right-to-Know RegulationsInternational regulations

CANADA

WHMIS Note

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS

Health Hazard 1

flammability 1

Physical hazard 0

PERSONAL PROTECTION F

16. Other information

Revision Date	1/17/2018
Revision note	No information available.
Contact Information Website	www.jacquardproducts.com

Recommended uses: Dyes of this type can cause respiratory restrictions/sensitization in some individuals and it is advisable to avoid breathing aerosol and dust. Persons who suffer from asthmatic or breathing problems should not handle these dyes. Recipients of our product must take responsibility for observing existing laws and regulations.

This information is based on our present state of knowledge. It should not therefore be considered as guarantee. Specific properties of the products are described according to their suitability for a particular application.

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Disclaimer: This brief provides a general overview of the safety data sheet requirements in the Hazard Communication Standard (see 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200). It does not alter or determine compliance responsibilities in the standard or the Occupational Safety and Health Act of 1970. Since interpretations and enforcement policy may change over time, the reader should consult current OSHA interpretations and decisions by the Occupational Safety and Health Review Commission and the courts for additional guidance on OSHA compliance requirements. Please note that states with OSHA-approved state plans may have additional requirements for chemical safety data sheets, outside of those outlined above. For more information on those standards, please visit: <http://www.osha.gov/dcsp/osp/statestandards.html>.



Date: 1/17/18

1. Substance/preparation and company identification

Product : Procion MX Dye - Turquoise
Product number(s) : PMX1-PMX3 068
C. I. Name : Reactive Blue 140
Identification of the product : Synthetic Organic Dyes
Recommended use : Dye for fabric

Company: Rupert, Gibbon & Spider, Inc., 1147 Healdsburg Avenue, Healdsburg, CA 95448
Tel: 800-442-0455 service@jacquardproducts.com

Emergency Contact Number: CHEMTREC (24HR Emergency Telephone), call 1-800-424-9300
International CHEMTREC, call 1-707-527-3887.
For non-emergency assistance, call: 1-800-442-0455

2. Hazard identification

Classification:

Skin corrosion/irritation-----Category 2

Serious eye damage /eye irritation-----Category 2

EMERGENCY OVERVIEW

signal word

WARNING

Hazard statements-EU:

H315 – Causes skin irritation

H319 - Causes serious eye irritation

**Precautionary statements-EU:**

P310 – Immediately call a POISON CENTER or doctor/physician

P302+ P352 – IF ON SKIN: Wash with plenty of soap and water

P321- Specific treatment (see supplemental first aid instructions on this label)

P332+ P313 –if skin irritation occurs: Get medical advice/attention

P362 - Take off contaminated clothing and wash before reuse

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

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

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

**Hazards Not Otherwise Classified (HNOC)****OTHER INFORMATION**

Unknown Acute Toxicity - 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

3. Composition/information on ingredients

Product : Procion MX Dye 068 Turquoise
C. I. Name : Reactive Blue 140
Substance name C.A.S. No. : 71872-74-7

4. First-aid measures

General information : Remove contaminated clothing immediately and dispose of safely.
After inhalation : Remove the casualty into fresh air and keep him calm.
After contact with skin : In case of contact with skin wash off immediately with soap and plenty of water
After contact with eyes : In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
After ingestion : Clean mouth with water and drink plenty of water afterwards.

5. Fire-fighting measures

Suitable extinguishing media : Water, spray jet, Foam, Carbon dioxide, Dry powder

Specific Hazards Arising from the chemical: High temperature may liberate toxic gases when mixed with and exposed to an ignition source, dust may burn in the open or explode if confined.

Explosion Data

Sensitivity to Mechanical Impact : None

Sensitivity to Static Discharge : Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

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.

6. Accidental release measuresPersonal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with the skin and the eyes. User personal protective equipment. For personal protection, see section 8. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Mentholds and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so.

Pick up mechanically, dilute remaining rest with water & pick up with absorbent material (sawdust, sand, universal binder).

Avoid dust formation. When picked up, treat material as prescribed under heading "Disposal." Clean contaminated surface thoroughly.

7. Handling and storageAdvice on safe handling:

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke with using this product. Use personal protection recommended in Section 8. Avoid all unnecessary exposure.



SDS

SAFETY DATA SHEET

RUPERT, GIBBON & SPIDER PO BOX 425, HEALDSBURG CA, 95448 TEL: (707) 433-9577 FAX: (707) 433-4906

Advice on protection against fire and explosion: Keep away from sources of ignition – avoid smoking

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible products : None known based on information supplied.



8. Exposure controls and personal protection

Control Parameters

Exposure Guidelines: This product, as supplied, does NOT contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Exposure Controls

Engineering Measures: Showers

Eyewash stations

Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Tightly fitting safety goggles. Avoid contact with eyes. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

Skin and Body Protection: Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Do not inhale dust. Provide suitable ventilation

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product and apply skin cream. Wear personal protective equipment.

9. Physical and chemical properties

Product	: Procion MX Dye 068 Turquoise
C. I. Name	: Reactive Blue 140
CAS No.	: 71872-74-7
Chemical family	: Reactive Dyes
Appearance	: Dark Blue powder
Odor	: Odorless
Molecular Weight	: 250
Solubility in water (20°C):	> 100 g/l
Ph value (20°C)	: 6 – 8 (at 10 g/l)
Bulk density	: 600 to 800 kgs.
Self ignition temp	: > 240 °C
Boiling point (0C)	: Not applicable
Melting point (0C)	: Above 250
Flash Point (0C)	: 250°C
Flammability	: Non Flammable
Vapor Pressure	: Not applicable
Relative Density	:No data available
Evaporation Rate	:No data available
Partition coefficient	
n-octanol/water	:No data available
Auto-ignition temperature:	No data available
Viscosity	:No data available

**10. Stability and reactivity**

Reactivity	:	No data available
Chemical Stability	:	Stable under recommended storage conditions
Hazardous reactions	:	Reaction with alkalis
Conditions to avoid	:	Extremes of temperature and direct sunlight
Incompatible materials	:	None known based on information supplied
Thermal decomposition	:	> 190° C
Hazardous decomposition products	:	May emit toxic fumes under fire conditions

11. Toxicological informationInformation on Likely Routes of Exposure

Product Information	:	Product dot NOT present an acute toxicity hazard based on known or supplied information
Skin contact	:	Avoid contact with skin. Slight irritant.
Eye contact	:	Avoid contact with eyes. Slight irritant.
Inhalation	:	Avoid breathing vapors or mists.
Ingestion	:	Not an expected route of exposure. Do NOT taste or swallow.

Information on Toxicological Effects

Symptoms	:	No information available.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	:	May cause sensitization by inhalation and skin contact.
Mutagenic effects	:	No mutagenic effects reported.
Carcinogenicity	:	No information available.
Reproductive Toxicity	:	No information available.
Specific target organ systemic toxicity (single exposure)	:	No information available.
Specific target organ systemic toxicity (repeated exposure)	:	No information available.
Aspiration Hazard	:	No information available.
Corrosivity	:	None.

Numerical Measures of Toxicity – Product Information

Unknown Acute Toxicity	:	100 percent of the mixture consists of ingredient(s) of unknown acute toxicity
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Further information

Persons with respiratory tract allergies should avoid direct contact with reactive dyes.

**12. Ecological information Persistence and degradability**

Biodegradability : 10 to 25% (static method)
Fish toxicity (LC₅₀) : 10 to 100 mg/l (48 hours)
Other adverse Effects : No information available

13. Disposal considerationsWaste treatment**Waste Disposal Methods**

Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulation

14. Transport information

UN-Number
DOT, ADN, IMDG, IATA Not Regulated

UN proper shipping name
DOT, ADN, IMDG, IATA Not Regulated

Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class Not Regulated

Packing group
DOT, IMDG, IATA Not Regulated

Environmental hazards
Marine pollutant: No

Special precautions for user Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
UN "Model Regulation": -

Further information : Not classified as hazardous under transport conditions.
Protect against moisture, store / load separately from food.

15. Regulatory information

Regulations of the European union (Labeling) / National legislation/Regulations

The product does not require a hazard warning label in accordance with EC Directives.

International Inventories

TSCA Listed
EINECS/ELINCS Not Determined
DSL Not Determined



NDSL	Not Determined
PICCS	Not Determined
ENCS	Not Determined
IECSC	Not Determined
AICS	Not Determined
KECL	Not Determined
NZIoC	Not Determined

Legend

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

REACH registration number Keystone has taken all relative steps to ensure REACH-Compliance.
Please contact us with any REACH-Related questions at
REACH@Keystone-Europe.CO.UK

RESTRICTIONS - REACH TITLE VIII- No information available

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

Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

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 does NOT contain any Proposition 65 chemicals.



U.S. State Right-to-Know Regulations

International regulations

CANADA

WHMIS Note

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS

Health Hazard 1

flammability 1

Physical hazard 0

PERSONAL PROTECTION F

16. Other information

Revision Date	1/17/2018
Revision note	No information available.
Contact Information Website	www.jacquardproducts.com

Recommended uses: Dyes of this type can cause respiratory restrictions/sensitization in some individuals and it is advisable to avoid breathing aerosol and dust. Persons who suffer from asthmatic or breathing problems should not handle these dyes. Recipients of our product must take responsibility for observing existing laws and regulations.

This information is based on our present state of knowledge. It should not therefore be considered as guarantee. Specific properties of the products are described according to their suitability for a particular application.

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Disclaimer: This brief provides a general overview of the safety data sheet requirements in the Hazard Communication Standard (see 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200). It does not alter or determine compliance responsibilities in the standard or the Occupational Safety and Health Act of 1970. Since interpretations and enforcement policy may change over time, the reader should consult current OSHA interpretations and decisions by the Occupational Safety and Health Review Commission and the courts for additional guidance on OSHA compliance requirements. Please note that states with OSHA-approved state plans may have additional requirements for chemical safety data sheets, outside of those outlined above. For more information on those standards, please visit: <http://www.osha.gov/dcsp/osp/statestandards.html>.



Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200)

Date 09/08/17

1. Identification

Product identifier

Trade name: Soda Ash

Synonyms: Soda Ash, Soda Ash Dense, Sodium Carbonate

Product number/code: 007

CAS Number: 497-19-8

EC number: 207-838-8

Index number: 011-005-00-2

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

No further relevant information available.

Application of the substance / the mixture: Industrial uses/pH modification.

Details of the supplier of the Safety Data Sheet Manufacturer/Supplier:

Rupert, Gibbon, & Spider, Inc.

1147 Healdsburg Ave.

Healdsburg, CA 95448

Telephone number: 800-442-0455, **Email:** service@jacquardproducts.com

Emergency Contact Number: CHEMTREC (24HR Emergency Telephone), call 1-800-424-9300

International CHEMTREC, call 1-707-527-3887.

For non-emergency assistance, call: 1-800-442-0455

2. Hazard(s) identification

Classification of the substance or mixture



GHS07

2A H319 Causes serious eye irritation.

Additional information:

There are no other hazards not otherwise classified that have been identified.

Trade name: Soda Ash Dense

0 percent of the mixture consists of ingredient(s) of unknown toxicity.

Label elements

GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS07

Signal word Warning

Hazard statements-EU

H319 Keep out of reach of children.

Precautionary statements-EU

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

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.

Hazard description:

Classification system:

HMIS Long Term Health Hazard Substances

Substance is not listed.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. Composition/information on ingredients

Chemical characterization: Substances

CAS No. Description

497-19-8 sodium carbonate

Identification number(s)

EC number: 207-838-8

Trade name: Soda Ash Dense

Index number: 011-005-00-2

4. First-aid measures

Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Brush off loose particles from skin.

Immediately rinse with water.

If skin irritation continues, consult a doctor.

After eye contact:

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

Information for doctor:

Most important symptoms and effects, both acute and delayed

Slight irritant effect on skin and mucous membranes. Irritant to eyes.

Gastric or intestinal disorders when ingested. Coughing

Danger: No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: None.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Trade name: Soda Ash Dense

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information No further relevant information available.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Damp down dust with water spray.

Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and storage

Handling:

Precautions for safe handling

Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

Information about protection against explosions and fires: The product is not flammable.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Protect from humidity and water.

Information about storage in one common storage facility:

Store away from foodstuffs.

Trade name: Soda Ash Dense

Do not store together with acids.

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

Specific end use(s) No further relevant information available.

8. Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

Do not inhale dust / smoke / mist.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Engineering controls: No further relevant information available.

Breathing equipment:

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Trade name: Soda Ash Dense

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:



Safety glasses

Body protection:

Not required under normal conditions of use.

Protection may be required for spills.

Limitation and supervision of exposure into the environment No further relevant information available.

9. Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Granulate
Color:	White
Odor:	Odorless
Odor threshold:	Not determined.

pH-value at 20 °C (68 °F): 11.3 - 11.6 (1% solution)

Change in condition

Melting point/Melting range:	851.1 °C (1564 °F)
Boiling point/Boiling range:	Undetermined.

Flash point: Not applicable.

Flammability (solid, gaseous): Product is not flammable.

Auto-ignition temperature: Not determined.

Trade name: Soda Ash Dense

Decomposition temperature:	Not determined.
Auto igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not applicable.
Density at 20 °C (68 °F):	2.53 g/cm ³ (21.113 lbs/gal)
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	Soluble.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Other information	No further relevant information available.

10. Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Possibility of hazardous reactions

Strong exothermic reaction with acids.

Reacts with halogenated compounds.

Conditions to avoid Avoid acids.

Incompatible materials: No further relevant information available.

Trade name: Soda Ash Dense

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11. Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

497-19-8 sodium carbonate

Oral	LD50	4090 mg/kg (rat)
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Primary irritant effect:

on the skin: Slight irritant effect on skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Subacute to chronic toxicity: No further relevant information available.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)

Substance is not listed.

NTP (National Toxicology Program)

Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

Probable Routes of Exposure

Inhalation.

Eye contact.

Skin contact.

Acute effects (acute toxicity, irritation and corrosivity): Irritating to eyes.

Repeated Dose Toxicity: No further relevant information available.

Trade name: Soda Ash Dense

12. Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: After neutralization a reduction of the harming action may be recognized

Additional ecological information:

General notes:

Water hazard class 1 (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13. Disposal considerations

Waste treatment methods

Recommendation:

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

Trade name: Soda Ash Dense

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14. Transport information

UN-Number

DOT, ADN, IMDG, IATA Not Regulated

UN proper shipping name

DOT, ADN, IMDG, IATA Not Regulated

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA
Class Not Regulated

Packing group

DOT, IMDG, IATA Not Regulated

Environmental hazards:

Marine pollutant: No

Special precautions for user Not applicable.

Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

UN "Model Regulation": -

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture
United States (USA)

SARA

Section 355 (extremely hazardous substances):

Substance is not listed.

Trade name: Soda Ash Dense

Section 313 (Specific toxic chemical listings):

Substance is not listed.

TSCA (Toxic Substances Control Act):

Substance is listed. **Proposition 65**

(California) Chemicals known to

cause cancer:

Substance is not listed.

Chemicals known to cause reproductive toxicity for females:

Substance is not listed.

Chemicals known to cause reproductive toxicity for males:

Substance is not listed.

Chemicals known to cause developmental toxicity:

Substance is not listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

Substance is not listed.

IARC (International Agency for Research on Cancer)

Substance is not listed.

TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

Other regulations, limitations and prohibitive regulations

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

Trade name: Soda Ash Dense

16. Other information

Rupert, Gibbon & Spider, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the safety data sheet for this product. Rupert, Gibbon & Spider, Inc. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Rupert, Gibbon & Spider, Inc. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

Disclaimer: This brief provides a general overview of the safety data sheet requirements in the Hazard Communication Standard (see 29 CFR 1910.1200(g) and Appendix D of 29 CFR 1910.1200). It does not alter or determine compliance responsibilities in the standard or the Occupational Safety and Health Act of 1970. Since interpretations and enforcement policy may change over time, the reader should consult current OSHA interpretations and decisions by the Occupational Safety and Health Review Commission and the courts for additional guidance on OSHA compliance requirements. Please note that states with OSHA-approved state plans may have additional requirements for chemical safety data sheets, outside of those outlined above. For more information on those standards, please visit:

<http://www.osha.gov/dcsp/osp/statestandards.html>.

Date of preparation / last revision 9/08/2017

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists EINECS:

European Inventory of Existing Commercial Chemical Substances CAS:

Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A