

01301-1989

## SAFETY DATA SHEET (SDS)



Jacquard Products  
 Manufactured by Rupert, Gibbon & Spider, Inc.  
 P.O. Box 425 | Healdsburg, CA 95448  
 800.442.0455 | Fax: 707.433.4906  
 www.jacquardproducts.com

**Revision Date: 08/20/2019**

This SDS Sheet covers the following Jacquard products:

Item Number:	Item Name:
JAC9470	Camo Tie Dye Kit

These products contain the following components:

Item Number:	Item Name:	SDS Page Reference:
PMX1105, PMX2105, PMX3105	Procion MX Olive Green Dye	Procion MX Olive Green Pages 1-9
PMX1106, PMX2106, PMX3106	Procion MX Bronze Dye	Procion MX Bronze Pages 1-8
PMX1150, PMX2150, PMX3150	Procion MX Jet Black Dye	Procion MX Jet Black Pages 1-7
CHM1007, CHM2007, CHM3007	Soda Ash Dye Fixer	Soda Ash Pages 1-10

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Procion MX Dye - Olive Green - Pg 1

Revision Date: 08/20/2019

## SECTION 1 - CHEMICAL, PRODUCT &amp; COMPANY INFORMATION

Product Name:	<b>PROCION MX DYE - OLIVE GREEN</b>	
Product Number/Code:	<b>PMX1105 / PMX2105 / PMX3105</b>	
Recommended Use:	Textile manufacturing	
Description:	Reactive dyestuff mixture	
Synonym(s):	Not available	
Restrictions on use:	None known	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	<b>Chem Tel, Inc. - Contract #MIS9128344</b>	
	North America: <b>1-800-255-3924</b>	International: <b>1-813-248-0585</b>

## SECTION 2 - HAZARD(S) IDENTIFICATION

<b>This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.</b>		
<b>Toxicological Data on Ingredients:</b>		
Hazard Classification	Non-categorized	
Physical Hazards:	Skin Sensitizer Eye Irritant Oral Toxicity	Category 1B Category 2A Category 5
Health Hazards:	Not classified	
Environmental Hazards:	Not classified	
<b>Label Elements</b>		
Pictogram:		
Signal Words:	WARNING	

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<b>Hazard Statements-EU:</b>	H303 May be harmful if swallowed. H317 May cause an allergic skin reaction H319 Causes eye irritation.
<b>Precautionary Statements-EU:</b>	
Prevention:	P260 Do not breath dust/fume/gas/mist/vapors/spray. P264 Wash face, hands, and any exposed skin thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P305+P351+P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if preset and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P302+P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes. P332+P313 If skin irritation occurs, Get medical advice/attention. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.
Storage:	See section 7
Disposal:	See section 13
Hazard(s) not otherwise classified:	None known

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<b>Chemical identity</b>
Proprietary Reactive Orange Dye <i>Eye irritant, possible skin sensitizer. May be harmful if swallowed.</i>
<i>*The exact percentages and the composition if materials have been withheld as a trade secret.</i>

## SECTION 4 - FIRST AID MEASURES

<b>Description of first aid measures:</b>	
General information:	Immediately remove all contaminated clothing.
In the event of skin contact:	Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
In the event of eye contact:	Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.
In the event of swallowing:	Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.
In the event of exposure by inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
Most important symptoms and effects, acute and delayed:	The most significant symptoms and effects are described in section 2 and/or section 11.
Indication of any immediate medical attention and special treatment needed:	No data available

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## SECTION 5 - FIREFIGHTING MEASURES

Flashpoint:	Not applicable
Extinguishing media:	CO <sup>2</sup> , Dry Chemical, Foam, Water, Fog
Special hazards arising from the substance or mixture:	Avoid dusting conditions. May form explosive dust mixtures with air.
Advice for fire fighters:	Firefighters should be equipped with protective clothing and self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area and any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Do not touch or walk through the spilled material: stop leak if you can do it without risk. Avoid formation and deposition of dust.
Methods and material for containment and clean up:	Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealed containers.
Environmental procedures:	Do not empty into drains or waters.
Reference to other sections:	See section 13 for further disposal measures.

## SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	In accord with good industrial practice, handle with care and avoid personal contact.
Conditions for safe storage including any incompatibilities:	Keep container protected from direct sunlight in a dry, cool and well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (See section 10).

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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Control parameters:</b>	
Occupational exposure limits:	No info available
Recommended monitoring procedures:	No info available
Exposure controls:	Avoid contact with eyes and skin. Immediately remove all contaminated clothing. Keep away from food and drink stuffs.
Appropriate engineering controls:	Handle with good industrial practices and industrial hygiene. Wash hands after use.
<b>Individual protection measures, such as personal protective equipment:</b>	
Eye/face protection:	Employees should wear protective eye goggles with side protection shield.
Skin protection:	Employees should avoid skin contact by wearing protective clothing. Long sleeve shirt, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking, and shower thoroughly before leaving work.
Hand protection:	Protective gloves (PVC or nitrile)
Other protective equipment:	Wear overalls, apron or other protective clothing.
Environmental exposure controls:	Use local ventilation.
Respiratory protection:	Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH-approved dust respirator.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>General information:</b>	
Appearance and physical state:	Powder
Color:	???
Type of Odor:	None
Odor threshold:	Not applicable
<b>Important health, safety and environmental information:</b>	
Initial Boiling Point and Boiling Range:	Not available
Melting Point/Freezing Point:	Not applicable
Flammability Classification:	Not flammable
Flash Point:	Not applicable
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	Not determined
Flammability Limits (lower/upper):	Not applicable
Evaporation rate:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density (Air=1):	Not applicable
Octanol/Water Partition Coefficient (log Pow):	Not applicable
Specific Gravity:	Not applicable
Bulk Density:	500-800 kg/m <sup>3</sup>
Water Solubility:	100 g/l @ 60°C
pH:	7.0-7.5
Viscosity:	Not applicable
Explosive Properties:	Not applicable
Oxidizing Properties:	Not applicable
Molecular Formula:	Not available
Molecular Weight:	Not available
Relative Density:	Not applicable
UEL/LEL:	Not applicable
% Volatile:	Not determined

## SECTION 10 - STABILITY AND REACTIVITY

Thermal decomposition:	No thermal decomposition when stored and handled properly.
Reactivity:	Will not occur
Stability:	Stable
Possibility of hazardous reactions:	None expected
Conditions to avoid:	Avoid dusting conditions and sparks/flame.
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	CO <sup>2</sup> , CO, Sulphur oxides, Nitrogen oxides

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## SECTION II - TOXICOLOGICAL INFORMATION

<b>Information on toxicological effects:</b>					
Acute toxicity (list all possible routes of exposure)					
Acute Oral Toxicity:	LD50 (ingestion) >4,000 mg/l (rats)				
Acute Inhalation Toxicity:	LC50 (fish) >100 mg/l (48 hour, Oncorhynchus mykiss)				
Skin Corrosion/Irritation:	Non irritant (rabbit)				
Serious Eye Damage / Eye Irritation:	Irritant (rabbit eye)				
Respiratory or Skin Sensitization:	May cause sensitization by skin contact.				
Germ Cell Mutagenicity:					
Carcinogenicity (IARC/NTP/OSHA/ACGIH):	Not determined				
Primary route of exposure:	Yes	No	No	Yes	Yes
<b>Potential Health Effects:</b>					
Chronic Health Effects:	Eye irritant. May cause skin and respiratory tract irritation. Reactive dyes may cause sensitization in some people.				
Additional Data:	Persons with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.				

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## SECTION 12 - ECOLOGICAL INFORMATION

<b>Toxicity:</b>	
Bacteria Toxicity EC50:	> 100 mg/l (activated sludge respiration test)
Persistence and degradability:	< 10%
Bacteria toxicity:	> 10 ml/l (3 hour activated sludge)
AOX:	1.4%
COD:	Not determined

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Waste treatment methods:</b>	
Disposal:	If utilization or recycling of the product is not available, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
Container Disposal:	Soiled, empty containers are to be treated in the same way as the contents.

## SECTION 14 - TRANSPORT INFORMATION

General Information:	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).
UN number:	Not relevant
UN proper shipping name:	Non-Hazardous Ink Material
Transport hazard class:	Not relevant
Fr. Class Package:	55
<b>Environmental Hazards:</b>	
Environmentally hazardous substance:	No
Special precautions for user:	Not relevant

## SECTION 15 - REGULATORY INFORMATION

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>		
Hazard categories		
TSCA:	The components of this product are listed on the TSCA Inventory.	
SARA 313:	This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.	
SARA 312:	Immediate (acute) health hazard:	Yes
	Delayed (chronic) health hazard:	Yes
	Fire hazard:	No
	Sudden release of pressure:	No
	Reactivity:	No
German Ordinance:	This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.	
California Proposition 65:	Used as directed, this product will NOT expose you to chemicals known to cause cancer.	



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## SECTION 16 - OTHER INFORMATION

<b>HMIS Hazard ID:</b>	
Health:	2
Flammability:	1
Reactivity:	0
Personal protection:	E - Safety glasses, gloves, dust respirator
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

**Disclaimer:**

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

**Revision Date: 08/20/2019**

<b>National Chemical Inventories:</b>	
All components of this product are listed on the following chemical substance inventories: TSCA (USA)	
DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)

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<b>Abbreviations:</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System

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Procion MX Dye - Bronze - Pg 1

Revision Date: 08/20/2019

## SECTION 1 - CHEMICAL, PRODUCT &amp; COMPANY INFORMATION

Product Name:	<b>PROCION MX DYE - BRONZE</b>	
Product Number/Code:	<b>PMX1106 / PMX2106 / PMX3106</b>	
Recommended Use:	Textile manufacturing	
Description:	Reactive dyestuff mixture	
Synonym(s):	Not available	
Restrictions on use:	None known	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	<b>Chem Tel, Inc. - Contract #MIS9128344</b>	
	North America: <b>1-800-255-3924</b>	International: <b>1-813-248-0585</b>

## SECTION 2 - HAZARD(S) IDENTIFICATION

<b>This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.</b>		
<b>Toxicological Data on Ingredients:</b>		
Hazard Classification	Not categorized	
Physical Hazards:	Skin Sensitizer Skin Sensitizer Eye Irritant Oral Toxicity	Category 1 Category 1B Category 2A Category 5
Health Hazards:	Not classified	
Environmental Hazards:	Not classified	
<b>Label Elements</b>		
Pictogram:		
Signal Words:	WARNING	

## SAFETY DATA SHEET (SDS)

Procion MX Dye - Bronze - Pg 2

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<b>Hazard Statements-EU:</b>	H303 May be harmful if swallowed. H317 May cause an allergic skin reaction H319 Causes eye irritation.
<b>Precautionary Statements-EU:</b>	
Prevention:	P260 Do not breath dust/fume/gas/mist/vapors/spray. P264 Wash face, hands, and any exposed skin thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P305+P351+P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if preset and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P302+P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes. P332+P313 If skin irritation occurs, Get medical advice/attention. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.
Storage:	See section 7
Disposal:	See section 13
Hazard(s) not otherwise classified:	None known

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<b>Chemical identity</b>
Proprietary Reactive Orange Dye <i>Eye irritant, possible skin sensitizer. May be harmful if swallowed.</i>
Proprietary Reactive Yellow <i>Eye irritant, possible skin sensitizer. May be harmful if swallowed.</i>
Proprietary Reactive Blue <i>May be harmful if swallowed.</i>
<i>*The exact percentages and the composition if materials have been withheld as a trade secret.</i>

## SAFETY DATA SHEET (SDS)

Procion MX Dye - Bronze - Pg 3

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## SECTION 4 - FIRST AID MEASURES

<b>Description of first aid measures:</b>	
General information:	Immediately remove all contaminated clothing.
In the event of skin contact:	Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.
In the event of eye contact:	Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.
In the event of swallowing:	Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.
In the event of exposure by inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.
Most important symptoms and effects, acute and delayed:	The most significant symptoms and effects are described in section 2 and/or section 11.
Indication of any immediate medical attention and special treatment needed:	No data available

## SECTION 5 - FIREFIGHTING MEASURES

Flashpoint:	Not applicable
Extinguishing media:	CO <sup>2</sup> , Dry Chemical, Foam, Water, Fog
Special hazards arising from the substance or mixture:	Avoid dusting conditions. May form explosive dust mixtures with air.
Advice for fire fighters:	Firefighters should be equipped with protective clothing and self-contained breathing apparatus to protect against potentially toxic and irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area and any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Do not touch or walk through the spilled material: stop leak if you can do it without risk. Avoid formation and deposition of dust.
Methods and material for containment and clean up:	Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealed containers.
Environmental procedures:	Do not empty into drains or waters.
Reference to other sections:	See section 13 for further disposal measures.

## SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	In accord with good industrial practice, handle with care and avoid personal contact.
Conditions for safe storage including any incompatibilities:	Keep container protected from direct sunlight in a dry, cool and well-ventilated area. Keep the container tightly sealed and away from any incompatible materials (See section 10).

## SAFETY DATA SHEET (SDS)

Procion MX Dye - Bronze - Pg 4

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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Control parameters:</b>	
Occupational exposure limits:	No info available
Recommended monitoring procedures:	No info available
Exposure controls:	Avoid contact with eyes and skin. Immediately remove all contaminated clothing. Keep away from food and drink stuffs.
Appropriate engineering controls:	Handle with good industrial practices and industrial hygiene. Wash hands after use.
<b>Individual protection measures, such as personal protective equipment:</b>	
Eye/face protection:	Employees should wear protective eye goggles with side protection shield.
Skin protection:	Employees should avoid skin contact by wearing protective clothing. Long sleeve shirt, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking, and shower thoroughly before leaving work.
Hand protection:	Protective gloves (PVC or nitrile)
Other protective equipment:	Wear overalls, apron or other protective clothing.
Environmental exposure controls:	Use local ventilation.
Respiratory protection:	Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH-approved dust respirator.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>General information:</b>	
Appearance and physical state:	Powder
Color:	Grey-brown
Type of Odor:	None
Odor threshold:	Not applicable
<b>Important health, safety and environmental information:</b>	
Initial Boiling Point and Boiling Range:	Not available
Melting Point/Freezing Point:	Not applicable
Flammability Classification:	Not flammable
Flash Point:	Not applicable
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	Not determined
Flammability Limits (lower/upper):	Not applicable
Evaporation rate:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density (Air=1):	Not applicable
Octanol/Water Partition Coefficient (log Pow):	Not applicable
Specific Gravity:	Not applicable
Bulk Density:	500-600 kg/m <sup>3</sup>
Water Solubility:	100 g/l @ 60°C
pH:	7.0-8.0 at 10 g/l @ 20°C
Viscosity:	Not applicable
Explosive Properties:	Not applicable
Oxidizing Properties:	Not applicable
Molecular Formula:	Not available
Molecular Weight:	Not available
Relative Density:	Not applicable
UEL/LEL:	Not applicable
% Volatile:	0.4 - Comment: De-dusting oil

## SECTION 10 - STABILITY AND REACTIVITY

Thermal decomposition:	No thermal decomposition when stored and handled properly.
Reactivity:	Will not occur
Stability:	Stable
Possibility of hazardous reactions:	None expected
Conditions to avoid:	Avoid dusting conditions and sparks/flame.
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	CO <sup>2</sup> , CO, Sulphur oxides, Nitrogen oxides

## SAFETY DATA SHEET (SDS)

Procion MX Dye - Bronze - Pg 6

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## SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Information on toxicological effects:</b>					
Acute toxicity (list all possible routes of exposure)					
Acute Oral Toxicity:	LD50 (ingestion) >4,000 mg/kg (rat)				
Acute Inhalation Toxicity:	LC50 (fish) >100 mg/l (48 hour, Oncorhynchus mykiss)				
Skin Corrosion/Irritation:	Non irritant (rabbit)				
Serious Eye Damage / Eye Irritation:	Irritant (rabbit)				
Respiratory or Skin Sensitization:	Skin Sensitizer				
Carcinogenicity (IARC/NTP/OSHA/ACGIH):	Not determined				
Primary route of exposure:	Inhalation: Yes	Skin absorption: No	Ingestion: No	Skin contact: Yes	Eye contact: Yes
<b>Potential Health Effects:</b>					
Chronic Health Effects:	Eye irritant. May cause skin and respiratory tract irritation. Reactive dyes may cause sensitization in some people.				
Additional Data:	Persons with pre-existing skin or eye conditions may be more susceptible to the effects of this product.				

## SECTION 12 - ECOLOGICAL INFORMATION

<b>Toxicity:</b>	
Persistence and degradability:	<10%
Bacteria toxicity:	>10 ml/l (3 hour activated sludge)
AOX:	>1.0%
COD:	Not determined

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Waste treatment methods:</b>	
Disposal:	If utilization or recycling of the product is not available, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
Container Disposal:	Soiled, empty containers are to be treated in the same way as the contents.

## SECTION 14 - TRANSPORT INFORMATION

General Information:	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).
UN number:	Not relevant
UN proper shipping name:	Non-Hazardous Ink Material
Transport hazard class:	Not relevant
Fr. Class Package:	55
<b>Environmental Hazards:</b>	
Environmentally hazardous substance:	No
Special precautions for user:	Not relevant



## SAFETY DATA SHEET (SDS)

Procion MX Dye - Bronze - Pg 7

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## SECTION 15 - REGULATORY INFORMATION

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>	
Hazard categories	
TSCA:	The components of this product are listed on the TSCA Inventory.
SARA 313:	This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.
SARA 312:	Immediate (acute) health hazard: Yes
	Delayed (chronic) health hazard: Yes
	Fire hazard: No
	Sudden release of pressure: No
	Reactivity: No
German Ordinance:	This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.
California Proposition 65:	Used as directed, this product will NOT expose you to chemicals known to cause cancer.

## SECTION 16 - OTHER INFORMATION

<b>HMIS Hazard ID:</b>	
Health:	2
Flammability:	1
Reactivity:	0
Personal protection:	E - Safety glasses, gloves, dust respirator
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

**Disclaimer:**

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

**Revision Date: 08/20/2019**

<b>National Chemical Inventories:</b>	
All components of this product are listed on the following chemical substance inventories: TSCA (USA)	
DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)

## SAFETY DATA SHEET (SDS)

Procion MX Dye - Bronze - Pg 8

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<b>Abbreviations:</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System

## SAFETY DATA SHEET (SDS)



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Procion MX Dye - Jet Black - Pg 1

Revision Date: 08/20/2019

## SECTION 1 - CHEMICAL, PRODUCT &amp; COMPANY INFORMATION

Product Name:	<b>PROCION MX DYE - JET BLACK</b>	
Product Number/Code:	<b>PMX1150 / PMX2150 / PMX3150</b>	
Recommended Use:	Dye for fabric	
Description:	Synthetic Organic Dyes	
Synonym(s):	Reactive Dyestuff	
Restrictions on use:	None known	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	<b>Chem Tel, Inc. - Contract #MIS9128344</b>	
	North America: <b>1-800-255-3924</b>	International: <b>1-813-248-0585</b>

## SECTION 2 - HAZARD(S) IDENTIFICATION

<b>This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.</b>		
<b>Toxicological Data on Ingredients:</b>		
Hazard Classification		
Physical Hazards:	None	
Health Hazards:	Eye Irritant Skin Irritant Respiratory Sensitizer Skin Sensitizer	Category 2 Category 2 Category 1 Category 1
Environmental Hazards:	None	
<b>Label Elements</b>		
Pictogram:		
Signal Words:	DANGER	

## SAFETY DATA SHEET (SDS)

Procion MX Dye - Jet Black - Pg 2

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<b>Hazard Statements-EU:</b>	H315 Causes skin irritation. H315+H320 Causes skin and eye irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Precautionary Statements-EU:</b>	
Prevention:	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection. P362 Take off contaminated clothing and wash before reuse. P363 Wash contaminated clothing before reuse.
Response:	P302+P352 IF ON SKIN: wash with plenty of soap and water. P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see product label). P332+P313 IF SKIN irritation occurs: Get medical advice/attention. P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention. P337+P313P IF EYE irritation persists: Get medical advice/attention. P342+P311 IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician. P501 Dispose of contents/container to...

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Product	C.I. Name	Substance name CAS #
Procion MX Dye 150 Jet Black	Reactive Black WNN (C.I. Reactive Black mix)	The exact percentages and the composition of non-hazardous materials have been withheld as a trade secret.

## SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
General information:	Remove contaminated clothing immediately and dispose of safely.
In the event of skin contact:	In case of contact with skin, wash off immediately with soap and plenty of water.
In the event of eye contact:	In case of contact with eyes, rinse thoroughly with plenty of water and seek medical advice.
In the event of swallowing:	Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.
In the event of exposure by inhalation:	Remove the casualty into fresh air and keep them calm.

## SAFETY DATA SHEET (SDS)

Procion MX Dye - Jet Black - Pg 3

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## SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media:	CO2, Dry Powder, Foam, Water Spray Jet
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## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Methods and material for containment and clean up:	Pick up mechanically. Dilute remaining rest with water and pick up with absorbent material (sawdust, sand, universal binder).
Reference to other sections:	For further disposal measures, see section 13.

## SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	Keep away from sources of ignition - avoid smoking.
Conditions for safe storage including any incompatibilities:	Do not store with alkalis. Keep container tightly closed in dry place. Storage period: 60 months.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Control parameters:</b>	
Exposure controls:	Use local ventilation.
Appropriate engineering controls:	Handle with good industrial practices and industrial hygiene. Wash hands after use. Do not eat, drink or smoke during work time.
<b>Individual protection measures, such as personal protective equipment:</b>	
General protective measures:	Avoid contact with eyes and skin. Keep away from food and drink stuffs. Remove soiled or soaked clothing immediately. Clean skin thoroughly after work; apply skin cream.
Eye/face protection:	Safety glasses
Skin protection:	Wear gloves, overalls, apron or other protective clothing.
Respiratory protection:	Dust mask. Do not inhale dust.

## SAFETY DATA SHEET (SDS)

Procion MX Dye - Jet Black - Pg 4

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>General information:</b>	
Product:	Procion MX Dye Jet Black 150
Appearance and physical state:	Dust free powder
Color:	Black
Type of Odor:	Odorless
Odor Threshold:	Not available
<b>Important health, safety and environmental information:</b>	
Initial Boiling Point and Boiling Range:	Not available
Melting Point/Freezing Point:	Above 250°C
Flammability Classification:	Non-flammable
Flash Point:	250°C
Auto-ignition Temperature:	> 240°C
Decomposition Temperature:	Not available
Flammability Limits (lower/upper):	Not available
Evaporation rate:	Not available
Vapor Pressure:	Not available
Vapor Density (Air=1):	Not available
Octanol/Water Partition Coefficient (low Pow):	Not available
Specific Gravity:	Not available
Bulk Density:	600 - 800 kg/m <sup>3</sup>
Water Solubility:	> 100 g/l
pH:	6-8 (at 10 g/l)
Viscosity:	Not available
Explosive Properties:	Not available
Oxidizing Properties:	Not available
Molecular Formula:	Not available
Molecular Weight:	250
Relative Density:	Not available
UEL:	Not available
LEL:	Not available
% Volatile:	Not available

## SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Reactions with alkalis
Stability:	Not available
Possibility of hazardous reactions:	Not available
Conditions to avoid:	Not available
Incompatible materials:	Alkalis
Thermal decomposition:	> 190°C
Hazardous decomposition products:	Unknown

## SAFETY DATA SHEET (SDS)

Procion MX Dye - Jet Black - Pg 5

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## SECTION 11 - TOXICOLOGICAL INFORMATION

<b>Information on toxicological effects:</b>	
Acute toxicity (list all possible routes of exposure)	
Acute Oral Toxicity:	LD50 2,000 mg/kg (Oral - Rat)
Acute Dermal Toxicity:	Not available
Skin Corrosion/irritation:	Slightly irritant
Serious Eye Damage / Eye Irritation:	Slightly irritant
Sensitization:	May cause sensitization by inhalation and skin contact.
<b>Primary Route of Exposure:</b>	
Inhalation:	Not available
Skin absorption:	Not available
Ingestion:	Not available
Skin contact:	Not available
Eye contact:	Not available
Carcinogen (IARC/NTP/OSHA/ACGIH):	Not available
Mutagenicity:	None
Corrosivity:	
Effects of overexposure:	Not available
Signs and symptoms of overexposure:	Not available
Additional information:	Persons with respiratory tract allergies should avoid direct contact with reactive dyes.

## SECTION 12 - ECOLOGICAL INFORMATION

Biodegradability:	10-25% (static method)
Fish Toxicity:	10-100 mg/l (48 hours)

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Waste treatment methods:</b>	
Disposal:	In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.
Container Disposal:	Packing that cannot be cleaned should be disposed of as product waste.

## SECTION 14 - TRANSPORT INFORMATION

Road transport (RID/ADR):	Non-hazardous goods
Inland waterways transport (ADNR):	Non-hazardous goods
Marine transport (IMDG-Code):	Non-hazardous goods
Air transport (ICAO/IATA):	Non-hazardous goods
Further information:	Not classified as hazardous under transport conditions. Protect against moisture. Store/load separately from food.

## SAFETY DATA SHEET (SDS)

Procion MX Dye - Jet Black - Pg 6

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## SECTION 15 - REGULATORY INFORMATION

<b>US Regulations:</b>	
TSCA:	The components of this product are not listed on the TSCA Inventory.
SARA 313:	
SARA 312:	
Immediate (acute) health hazard:	Yes
Delayed (chronic) health hazard:	Yes
Fire hazard:	No
Sudden Release of Pressure:	No
Reactivity:	No
California Proposition 65:	Used as directed, this product will NOT expose you to chemicals known to cause cancer.

## SECTION 16 - OTHER INFORMATION

<b>HMIS Hazard ID:</b>	
Health:	2
Flammability:	1
Physical hazard:	1
Personal Protection:	E - Safety glasses, gloves, dust respirator
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

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**Revision Date: 08/20/2019**

<b>National Chemical Inventories:</b>	
All components of this product are listed on the following chemical substance inventories: TSCA (USA)	
DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)



## SAFETY DATA SHEET (SDS)

Procion MX Dye - Jet Black - Pg 7

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<b>Abbreviations:</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
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AICS	Australian Inventory of Chemical Substances
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ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
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PNEC	Predicted No Effect Concentration
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SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System

## SAFETY DATA SHEET (SDS)



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Soda Ash - Pg 1

Revision Date: 06/12/2018

## SECTION 1 - CHEMICAL, PRODUCT &amp; COMPANY INFORMATION

Product Name:	<b>SODA ASH</b>	
Product Number/Code:	<b>CHM1007, CHM2007, CHM3007</b>	
Recommended Use:	Dye fixer	
Synonym(s):	Soda Ash, Soda Ash Dense, Sodium Carbonate	
Restrictions on use:	No further relevant information available.	
Manufacturer:	Rupert, Gibbon & Spider, Inc. 1147 Healdsburg Ave. Healdsburg, CA 95448 1-800-442-0455 / 707-433-9577	
Emergency Number:	<b>ChemTel, Inc. - Contract #MIS9128344</b>	
	North America: <b>1-800-255-3924</b>	International: <b>1-813-248-0585</b>

## SECTION 2 - HAZARD(S) IDENTIFICATION

<b>This product is not considered to be or contain hazardous chemicals based on evaluations made by our company under the OSHA Hazard Communication Standard, reference 29 CFR 1910.1200.</b>		
<b>Toxicological Data on Ingredients:</b>		
Hazard Classification	GHS07	
Physical Hazards:	Eye Irritant	Category 2A
<b>Label Elements</b>		
Pictogram:		
Signal Words:	Warning	
<b>Hazard Statements-EU:</b>	H319 Keep out of reach of children.	
<b>Precautionary Statements-EU:</b>		
Prevention:	P280 Wear eye protection/face protection. P264 Wash thoroughly after handling.	
Response:	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.	
Storage:	See section 7	
Disposal:	See section 13	
Hazard(s) not otherwise classified:	There are no other hazards not otherwise classified that have been identified.	
Results of PBT and vPvB assessment:	PBT: Not applicable vPvB: Not applicable	

## SAFETY DATA SHEET (SDS)

Soda Ash - Pg 2

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## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical identity (Substances)	Content in percent (%)*	CAS #	EC Number	Index Number
Sodium Carbonate Trade name: Soda Ash Dense	100%	497-19-8	207-838-8	011-005-00-2

## SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
General information:	No special measures required.
In the event of skin contact:	Brush off loose particles from skin. Immediately rinse with water. If skin irritation continues, consult a doctor.
In the event of eye contact:	Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
In the event of swallowing:	Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.
In the event of exposure by inhalation:	Supply fresh air; consult doctor in case of complaints.
Most important symptoms and effects, acute and delayed:	Slight irritant effect on skin and mucous membranes. Irritant to eyes. Gastric or intestinal disorders when ingested. Coughing.
Indication of any immediate medical attention and special treatment needed:	No further relevant information available.
Danger:	No further relevant information available.

## SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media:	Use fire fighting measures that suit the environment. None
Special hazards arising from the substance or mixture :	Formation of toxic gases is possible during heating or in case of fire.
Advice for fire fighters:	Wear self-contained respiratory protective device. Wear fully protective suit.
Additional information:	No further relevant information available.

## SAFETY DATA SHEET (SDS)

Soda Ash - Pg 3

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## SECTION 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.
Methods and material for containment and clean up:	Pick up mechanically. Dispose contaminated material as waste according to section 13. Send for recovery or disposal in suitable receptacles.
Environmental procedures:	Do not allow to enter sewers/ surface or ground water. Damp down dust with water spray.
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.

## SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	Prevent formation of dust. Any deposit of dust which cannot be avoided must be regularly removed.
Conditions for safe storage including any incompatibilities:	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.  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.

## SAFETY DATA SHEET (SDS)

Soda Ash - Pg 4

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## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Control parameters:</b>	
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.
<b>Exposure controls:</b>	
General protective and hygienic measures:	<p>The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed.</p> <p>Avoid contact with the eyes.</p> <p>Avoid close or long term contact with the skin. Do not inhale dust / smoke / mist.</p> <p>Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.</p>
Appropriate engineering controls:	No further relevant information available.
Hand protection:	<p>- 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.</p> <p>- 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.</p> <p>- 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.</p>
Eye protection:	Safety glasses
Body protection:	Not required under normal conditions of use. Protection may be required for spills.
Respiratory protection:	Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. For spills, respiratory protection may be advisable.
Limitation and supervision of exposure into the environment:	No further relevant information available.

## SAFETY DATA SHEET (SDS)

Soda Ash - Pg 5

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>General information:</b>	
Appearance and physical state:	Granulate
Color:	White
Type of Odor:	Odorless
Odor threshold:	Not determined.
<b>Important health, safety and environmental information:</b>	
Melting Point/Melting range:	851.1 °C (1564 °F)
Boiling Point and Boiling Range:	Undetermined.
Flammability Classification:	Product is not flammable.
Flash Point:	Not applicable.
Auto-ignition Temperature:	Not determined.
Decomposition Temperature:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion Limits (lower/upper):	Not determined.
Evaporation rate:	Not applicable.
Vapor Pressure:	Not applicable.
Partition Coefficient (n-octanol/water):	Not determined.
Density:	At 20 °C (68 °F): 2.53 g/cm <sup>3</sup> (21.113 lbs/gal)
Relative density:	Not determined.
Water Solubility:	Soluble.
pH:	Value at 20 °C (68 °F): 11.3 - 11.6 (1% solution)
Viscosity:	Dynamic: Not applicable. Kinematic: Not applicable.
Relative density:	Not determined.
Other information:	No further relevant information available.

## SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	
Chemical Stability:	
Thermal decomposition/conditions to be avoided:	No decomposition is used and stored according to specifications.
Possibility of hazardous reactions:	Strong exothermic reaction with acids. Reacts with halogenated compounds.
Incompatible materials:	No further relevant information available.
Conditions to avoid:	Avoid acids.
Hazardous decomposition products:	Carbon monoxide and carbon dioxide

## SAFETY DATA SHEET (SDS)

Soda Ash - Pg 6

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## SECTION II - TOXICOLOGICAL INFORMATION

<b>Information on toxicological effects:</b>	
Acute toxicity (list all possible routes of exposure)	
Acute Oral Toxicity:	LD50 - 4,090 mg/kg (rat)
Skin Corrosion/irritation:	Slight irritant effect on skin and mucous membranes.
Serious Eye Damage / Eye Irritation:	Irritating effect.
Respiratory or Skin 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.
<b>Carcinogenic categories:</b>	
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.
Possible 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.

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## SECTION 12 - ECOLOGICAL INFORMATION

<b>Toxicity:</b>	
Aquatic toxicity:	No further relevant information available.
Persistence and degradability:	No further relevant information available.
Bioaccumulative potential:	No further relevant information available.
Mobility in soil:	No further relevant information available.
Ecotoxicological effects:	After neutralization a reduction of the harming action may be recognized.
General notes:	<p>Water hazard class I (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.</p> <p>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.</p>
Results of PBT and vPvB assessment:	PBT: Not applicable. vPvB: Not applicable.
Other adverse effects:	No further relevant information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Waste treatment methods:</b>	
Disposal:	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.
Uncleaned packagings:	Disposal must be made according to official regulations.



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## SECTION 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):	Not Regulated
Packing group (DOT, IMDG, IATA):	Not Regulated
Environmental hazards:	No
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":	---

## SECTION 15 - REGULATORY INFORMATION

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>	
Hazard categories	
United States (USA)	
SARA Section 355 (Extremely hazardous substances):	Substance is not listed.
SARA 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.
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 informa- tion required by the Controlled Products Regulations.
Chemical safety assessment:	A Chemical Safety Assessment has not been carried out.

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## SECTION 16 - OTHER INFORMATION

<b>HMIS Hazard ID:</b>	
Health:	
Flammability:	
Reactivity:	
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

**Disclaimer:**

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

**Revision Date: 06/12/2018**

<b>National Chemical Inventories:</b>	
All components of this product are listed on the following chemical substance inventories: TSCA (USA)	
DSL	(Canada)
EINECS	(Europe)
ENCS	(Japan) ECL
	(Korea)
AICS	(Australia) NZIoC
	(New Zealand)
PICCS	(Philippines)
IECSC	(China)

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<b>Abbreviations:</b>	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
AICS	Australian Inventory of Chemical Substances
ATE	Acute Toxicity Estimate
BfR	Bundesinstitut für Risikobewertung recommendations for food contact materials
BCF	Bioconcentration Factor
BOD5	5-day Biochemical Oxygen Demand
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CLP	Classification, Labeling and Packaging regulation
COD	Chemical Oxygen Demand DOT Department of Transportation DSL Domestic Substances List
EINECS	European Inventory of Existing Chemical Substances
ECL	Existing Chemicals List (Korea)
ENCS	Existing and New Chemical Substances Inventory (Japan)
EN 689	Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy.
ERG	Emergency Response Guide
GHS	Globally Harmonized System
HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
ICAO	International Civil Aviation Organization IDLH Immediately Dangerous to Life and Health IMDG International Maritime Dangerous Goods
LD50	Lethal Dose to 50% of test animal population
MAK	Maximale Arbeitsplatz Konzentration
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
OSHA	Occupational Safety & Health Administration
PBT	Persistent, Bioaccumulative and Toxic vPvB Very Persistent and Very Bioaccumulative PEL Permissible exposure limit
PICCS	Philippine Inventory of Commercial Chemical Substances
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemical Substances
RID	International carriage of dangerous goods by Rail SARA Superfund Amendments and Reauthorization Act STEL Short Term Exposure Limit
SVHC	Substance of Very High Concern
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
VOC	Volatile Organic Compound
WGK	Wassergefährdungsklasse (Water Hazard Class) WHMIS Workplace Hazardous Material Identification System