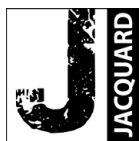


SAFETY DATA SHEET (SDS)



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: 09/26/2018

This SDS Sheet covers the following Jacquard products:

Item Number:	Item Name:
JAC9320	Large Tie Dye Kit
JAC9325	Large Tie Dye Kit
JAC9444	Funky Groovy Tie Dye Kit
PMX1KIT	Tie Dye Class Pack
PMX2KIT	Large Tie Dye Class Pack

These products contain the following components:

Item Number:	Item Name:	SDS Page Reference:
004	Procion MX Lemon Yellow Dye	Procion MX Lemon Yellow Pages 1-7
034	Procion MX Magenta Dye	Procion MX Magenta Pages 1-9
068	Procion MX Turquoise Dye	Procion MX Turquoise Pages 1-7
CHM1007, CHM2007, CHM3007	Soda Ash Dye Fixer	Soda Ash Pages 1-10

SAFETY DATA SHEET (SDS)



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Procion MX Dye - Lemon Yellow - Pg 1

Revision Date: 09/26/2018

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	PROCION MX DYE - LEMONYELLOW	
Product Number/Code:	PMX1-PMX3 004	
Recommended Use:	Dye for fabric 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.	
Description:	Synthetic Organic Dyes	
Synonym(s):	Proprietary Reactive Yellow	
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:	ChemTel, Inc. - Contract #MIS9128344	
	North America: 1-800-255-3924	International: 1-813-248-0585

SECTION 2 - HAZARD(S) IDENTIFICATION

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.

Toxicological Data on Ingredients:

Hazard Classification		
Physical Hazards:	No information available	
Health Hazards:	Eye Irritant	Category 2A
	Skin Sensitizer	Category 1
	Oral Toxicity	Category 5
Environmental Hazards:	No information available	

Label Elements

Pictogram:		
Signal Words:	Warning	
Hazard Statements-EU:	H303 May be harmful if swallowed. H317 May cause an allergic skin reaction. H319 Causes eye irritation.	

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Precautionary Statements-EU:	
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 present 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.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Product	C.I. Name	CAS #
Procion MX Dye 004 Lemon Yellow	Proprietary Reactive Yellow	<i>The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.</i>
<i>NOTE: Irritant; possible skin sensitizer. May be harmful if swallowed.</i>		

SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
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 remains. 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, move 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, both acute and delayed:	The most significant symptoms and effects are described in the labeling (see section 2) and/or in section 11.
Indication of any symptoms and effects, both acute and delayed:	No data available.

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SECTION 5 - FIREFIGHTING MEASURES

Flash point:	Not applicable.
Extinguishing media:	CO ₂ , Dry Chemical Foam, Water
Special fire fighting procedures/unusual fire or explosion hazards:	Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas and ventilate closed spaces before entering.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

In case material is released/spilled:	Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers.
Reference to other sections:	For further disposal measures, see section 13.

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).

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
General protective measures:	Avoid contact with eyes and skin. Immediately remove all contaminated clothing.
Occupational exposure limits:	Use local ventilation.
Exposure controls:	
Appropriate engineering controls:	Handle with good industrial practices and industrial hygiene. Wash hands after use.
Individual protection measures, such as personal protective equipment:	
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 shirts, 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. Keep away from food and drink stuffs.
Respiratory protection:	Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.
Other protection:	Wear overalls, apron or other protective clothing.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Product:	Procion MX Dye 004 Lemon Yellow
C.I. Name:	Proprietary Reactive Yellow
Chemical family:	Reactive Dyes
Appearance and physical state:	Powder
Color:	Yellow
Type of Odor:	None
Odor Threshold:	N/A
Important health, safety and environmental information:	
Initial Boiling Point and Boiling Range:	N/A
Melting Point/Freezing Point:	N/A
Flammability Classification:	N/A
Flash Point:	N/A
Auto-ignition Temperature:	> 240°C
Decomposition Temperature:	N/D
Flammability Limits (lower/upper):	N/A
Evaporation rate:	N/A
Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A
Octanol/Water Partition Coefficient (low Pow):	N/D
Specific Gravity:	N/A
Bulk Density:	500-800 kg/m ³
Water Solubility:	> 100 g/l at 90°C
pH:	6.5-7.0
Viscosity:	N/A
Explosive Properties:	N/A
Oxidizing Properties:	N/A
Molecular Formula:	N/A
Molecular Weight:	N/A
Relative Density:	N/A
LEL:	N/A
% Volatile:	0.00%

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Will not occur
Stability:	Stable
Possibility of hazardous reactions:	None expected
Conditions to avoid:	Avoid dusting conditions and sparks/flame.
Incompatible materials:	None
Thermal decomposition:	No thermal decomposition when stored and handled correctly.
Hazardous decomposition products:	CO ₂ , sulfur oxides, nitrogen oxides

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SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects:		
Acute toxicity (list all possible routes of exposure)		
Oral Toxicity (animal):	LD50 (Ingestion): >4,000 mg/l (rats)	
Oral Toxicity (fish):	LC50 >100 mg/l (96 hour, Oncorhynchus mykiss)	
Eye effects:	Irritant (rabbit eye)	
Skin effects:	Non-irritant (rabbit)	
Sensitization:	May cause sensitization by skin contact.	
Primary route of exposure:	Inhalation:	Yes
	Skin contact:	Yes
	Skin absorption:	No
	Eye contact:	Yes
	Ingestion:	No
Carcinogen status	IARC:	No
	NTP:	No
	OSHA:	No
Chronic effects of overexposure:	None known	
Signs and symptoms of overexposure:	Eye irritant. May cause skin and respiratory tract irritation. Reactive dyes may cause sensitization in some people.	
Medical conditions aggravated:	Persons with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.	

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:	
Biodegradability:	< 10%
Bacteria Toxicity:	> 10 ml/l (3 hour activated sludge)
AOX:	8.1%
COD:	N/D

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Disposal:	If utilization of recycling of product is not possible, 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.

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SECTION 14 - TRANSPORT INFORMATION

UN Number:	Not Regulated
UN proper shipping name:	Non-hazardous Ink Material Frt. Class Package 55
Transport hazard class(es) (DOT, IATA (C, P), IMDG):	Not Regulated

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:		
US Regulations:		
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
Other regulations:	This product is not subject to the German Ordinance than bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.	

SECTION 16 - OTHER INFORMATION

HMIS Hazard ID:	
Health:	2
Flammability:	1
Physical hazard:	0
Personal Protection:	E
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

Disclaimer:

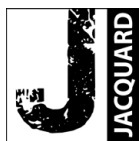
The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of 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: 09/26/2018

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Abbreviations:	
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 - Magenta - Pg 1

Revision Date: 09/26/2018

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	PROCION MX DYE - MAGENTA	
Product Number/Code:	PMX1-PMX3 034	
Recommended Use:	Dye for fabric 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.	
Description:	Synthetic Organic Dyes	
Synonym(s):	Reactive Red 2	
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:	ChemTel, Inc. - Contract #MIS9128344	
	North America: 1-800-255-3924	International: 1-813-248-0585

SECTION 2 - HAZARD(S) IDENTIFICATION

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.		
Toxicological Data on Ingredients:		
Hazard Classification		
Physical Hazards:	Skin corrosion/irritation Serious eye damage/eye irritation	Category 2 Category 2
Health Hazards:	No information available	
Environmental Hazards:	No information available	
Label Elements		
Pictogram:		
Signal Words:	Warning	
Hazard Statements-EU:	H315 Causes skin irritation H319 Causes serious eye irritation	

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Precautionary Statements-EU:	
Prevention:	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
Response:	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 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(s) not otherwise classified:	Unknown Acute Toxicity - 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Product	C.I. Name	CAS #
Procion MX Dye 034 Magenta	Reactive Red 2	<i>The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.</i>
<i>NOTE: Causes serious eye irritation. May cause an allergic skin reaction.</i>		

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:	Clean mouth with water and drink plenty of water afterwards.
In the event of exposure by inhalation:	Remove the casualty into fresh air and keep him calm.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing media:	Water spray jet, Foam, Carbon dioxide, Dry powder.
Special hazards arising from the substance or mixture:	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
Explosion data - 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.
Advice for fire fighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Avoid contact with the skin and the eyes. User personal protective equipment. For personal protection, see section 8. Ensure adequate ventilation.
Methods and material for containment and clean 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.
Environmental procedures:	Prevent further leakage or spillage if safe to do so.
Reference to other sections:	For personal protection, see section 8.

SECTION 7 - HANDLING AND STORAGE

Precautions for 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.
Advice on protection against fire and explosion:	Keep away from sources of ignition – avoid smoking.
Conditions for safe storage including any incompatibilities:	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.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
Occupational exposure limits:	This product, as supplied, does NOT contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Exposure controls:	Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.
Appropriate engineering controls:	Showers, eyewash stations, 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 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.
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.
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

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Product:	Procion MX Dye 034 Magenta
C.I. Name:	Reactive Red 2
CAS No.:	17804-49-8
Chemical family:	Reactive Dyes
Appearance and physical state:	Powder
Color:	Dark Red
Type of Odor:	Odorless
Odor Threshold:	Not applicable
Important health, safety and environmental information:	
Initial Boiling Point and Boiling Range:	No data available
Melting Point/Freezing Point:	N/A
Flammability Classification:	Non Flammable
Flash Point:	Not applicable
Auto-ignition Temperature:	No data available
Decomposition Temperature:	N/A
Flammability Limits (lower/upper):	N/A
Evaporation rate:	No data available
Vapor Pressure:	Not applicable
Vapor Density (Air=1):	N/A
Octanol/Water Partition Coefficient (low Pow):	No data available
Specific Gravity:	N/A
Bulk Density:	N/A
Water Solubility:	> 100 g/l (25°C)
pH:	(4.5 – 6.5)
Viscosity:	No data available
Explosive Properties:	N/A
Oxidizing Properties:	N/A
Molecular Formula:	N/A
Molecular Weight:	N/A
Relative Density:	600-800 kg/m ³

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	No data available
Stability:	Stable under recommended storage conditions.
Possibility of 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.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects:	
Acute toxicity (list all possible routes of exposure)	
Product information:	Product does NOT present an acute toxicity hazard based on known or supplied information.
Unknown Acute Toxicity:	100 percent of the mixture consists of ingredient(s) of unknown acute toxicity.
Acute Oral Toxicity:	Not an expected route of exposure. Do NOT taste or swallow.
Acute Inhalation Toxicity:	Avoid breathing vapors or mists.
Skin Corrosion/Irritation:	Corrosivity: None. Avoid contact with skin. Slight irritant.
Serious Eye Damage / Eye Irritation:	Avoid contact with eyes. Slight irritant.
Germ Cell Mutagenicity:	No mutagenic effects reported.
Carcinogenicity:	No information available.
Reproductive Toxicity:	No information available.
Specific Target Organ Toxicity - single exposure (STOT-se):	No information available.
Specific Target Organ Toxicity - repeated exposure (STOT-re):	No information available.
Aspiration Hazard:	No information available.
Additional Data:	Persons with respiratory tract allergies should avoid direct contact with reactive dyes.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:	
Tested:	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

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Disposal:	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).
Container Disposal:	Do not re-use empty containers. Dispose of in accordance with local regulation

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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
Marine Pollutant:	No
Special precautions for user:	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation":	Not applicable
Further information:	Not classified as hazardous under transport conditions. Protect against moisture, store / load separately from food.

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:	
General 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
Restrictions - Reach Title VIII:	No information available
<i>Please reference last page of this SDS document for abbreviations legend.</i>	
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)

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SECTION 15 - REGULATORY INFORMATION

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.
US State Right-to-Know Regulations:	no information available
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:	Not Controlled

SECTION 16 - OTHER INFORMATION

HMIS Hazard ID:	
Health:	I
Flammability:	I
Physical hazard:	0
Personal Protection:	F
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

Disclaimer:

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Revision Date: 09/26/2018

National Chemical Inventories:	
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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Abbreviations:	
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	International carriage of Dangerous goods by Road
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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 - Turquoise - Pg 1

Revision Date: 09/26/2018

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	PROCION MX DYE - TURQUOISE	
Product Number/Code:	PMX1-PMX3 068	
Recommended Use:	Dye for fabric 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.	
Description:	Synthetic Organic Dyes	
Synonym(s):	Proprietary Reactive Blue	
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:	ChemTel, Inc. - Contract #MIS9128344	
	North America: 1-800-255-3924	International: 1-813-248-0585

SECTION 2 - HAZARD(S) IDENTIFICATION

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.

Toxicological Data on Ingredients:

Hazard Classification		
Physical Hazards:	No information available	
Health Hazards:	Skin Sensitizer	Category I
Environmental Hazards:	No information available	

Label Elements

Pictogram:		
Signal Words:	Warning	
Hazard Statements-EU:	H317 May cause an allergic skin reaction.	

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Precautionary Statements-EU:	
Prevention:	<p>P260 Do not breath dust/fume/gas/mist/vapors/spray.</p> <p>P264 Wash face, hands and any exposed skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p>
Response:	<p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P302+ P352 IF ON SKIN:Wash with plenty of soap and water for 15 minutes.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.</p>

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Product	C.I. Name	CAS #
Procion MX Dye 068 Turquoise	Proprietary Reactive Blue	<i>The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.</i>
<i>NOTE: May cause an allergic reaction.</i>		

SECTION 4 - FIRST AID MEASURES

Description of first aid measures:	
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 remains. 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, move 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, both acute and delayed:	The most significant symptoms and effects are described in the labeling (see section 2) and/or in section 11.
Indication of any symptoms and effects, both acute and delayed:	No data available.

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SECTION 5 - FIREFIGHTING MEASURES

Flash point:	Not applicable.
Extinguishing media:	CO ₂ , Dry Chemical Foam, Water Fog
Special fire fighting procedures/unusual fire or explosion hazards:	Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas and ventilate closed spaces before entering.
Additional information:	Avoid dusting conditions. May form explosive dust mixtures with air.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

In case material is released/spilled:	Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealed containers.
Reference to other sections:	For further disposal measures, see section 13.

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).

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters:	
General protective measures:	Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.
Occupational exposure limits:	Use local ventilation.
Exposure controls:	
Appropriate engineering controls:	Handle with good industrial practices and industrial hygiene. Wash hands after use.
Individual protection measures, such as personal protective equipment:	
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 shirts, 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. Keep away from food and drink stuffs.
Respiratory protection:	Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.
Other protection:	Wear overalls, apron or other protective clothing.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Product:	Procion MX Dye 068 Turquoise
C.I. Name:	Proprietary Reactive Blue
Chemical family:	Reactive Dyes
Appearance and physical state:	Powder
Color:	Dark Blue
Type of Odor:	None
Odor Threshold:	N/A
Important health, safety and environmental information:	
Initial Boiling Point and Boiling Range:	N/A
Melting Point/Freezing Point:	N/A
Flammability Classification:	N/A
Flash Point:	N/A
Auto-ignition Temperature:	> 240°C
Decomposition Temperature:	N/D
Flammability Limits (lower/upper):	N/A
Evaporation rate:	N/A
Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A
Octanol/Water Partition Coefficient (low Pow):	N/D
Specific Gravity:	N/A
Bulk Density:	N/A
Water Solubility:	> 120 g/l at 20°C
pH:	7.0 @ 10.0 g/l at 20°C
Viscosity:	N/A
Explosive Properties:	N/A
Oxidizing Properties:	N/A
Molecular Formula:	N/A
Molecular Weight:	N/A
Relative Density:	N/A
UEL/LEL:	N/A
% Volatile:	0.02% - Comment: De-Dusting Oil

SECTION 10 - STABILITY AND REACTIVITY

Reactivity:	Will not occur
Stability:	Stable
Possibility of hazardous reactions:	None expected
Conditions to avoid:	Avoid dusting conditions and sparks/flame.
Incompatible materials:	None
Thermal decomposition:	No thermal decomposition when stored and handled correctly.
Hazardous decomposition products:	CO ₂ , CO, sulfur oxides, nitrogen oxides

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SECTION 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects:		
Acute toxicity (list all possible routes of exposure)		
Oral Toxicity (animal):	LD50 (Ingestion): >5,000 mg/l (rat)	
Oral Toxicity (fish):	LC50 >100 mg/l (96 hour, Oncorhynchus mykiss)	
Eye effects:	Non-irritant (rabbit eye)	
Skin effects:	Non-irritant (rabbit)	
Sensitization:	May cause sensitization by inhalation and skin contact.	
Primary route of exposure:	Inhalation:	No
	Skin contact:	Yes
	Skin absorption:	No
	Eye contact:	Yes
	Ingestion:	No
Carcinogen status	IARC:	No
	NTP:	No
	OSHA:	No
	ACGIH:	No
Chronic effects of overexposure:	None known	
Signs and symptoms of overexposure:	May be irritating to the eyes, skin or respiratory tract.	
Medical conditions aggravated:	Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.	

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:	
Biodegradability:	< 20%
Bacteria Toxicity:	> 10 ml/l (activated sludge)
AOX:	N/D
COD:	1,100 mg/l

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Disposal:	If utilization of recycling of product is not possible, 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.

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SECTION 14 - TRANSPORT INFORMATION

UN Number:	Not Regulated
UN proper shipping name:	Non-hazardous Ink Material Frt. Class Package 55
Transport hazard class(es) (DOT, IATA (C, P), IMDG):	Not Regulated

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:		
US Regulations:		
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:	No
	Delayed (chronic) health hazard:	No
	Fire hazard:	No
	Sudden Release of Pressure:	No
	Reactivity:	No
Other regulations:	This product is not subject to the German Ordinance than bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.	

SECTION 16 - OTHER INFORMATION

HMIS Hazard ID:	
Health:	I
Flammability:	I
Physical hazard:	0
Personal Protection:	E
Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect	

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Revision Date: 09/26/2018

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Abbreviations:	
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HMIS	Hazardous Materials Information System IARC International Agency for Research on Cancer IATA International Air Transport Association
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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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Soda Ash - Pg 1

Revision Date: 06/12/2018

SECTION 1 - CHEMICAL, PRODUCT & COMPANY INFORMATION

Product Name:	SODA ASH	
Product Number/Code:	CHM1007, CHM2007, CHM3007	
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:	ChemTel, Inc. - Contract #MIS9128344	
	North America: 1-800-255-3924	International: 1-813-248-0585


SECTION 2 - HAZARD(S) IDENTIFICATION

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.

Toxicological Data on Ingredients:

Hazard Classification	GHS07	
Physical Hazards:	Eye Irritant	Category 2A

Label Elements

Pictogram:		
Signal Words:	Warning	
Hazard Statements-EU:	H319 Keep out of reach of children.	
Precautionary Statements-EU:		
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	

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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.

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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.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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:	
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.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
Appearance and physical state:	Granulate
Color:	White
Type of Odor:	Odorless
Odor threshold:	Not determined.
Important health, safety and environmental information:	
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 ³ (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

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SECTION II - TOXICOLOGICAL INFORMATION

Information on toxicological effects:	
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.
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.
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

Toxicity:	
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:	<p>PBT: Not applicable. vPvB: Not applicable.</p>
Other adverse effects:	No further relevant information available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods:	
Disposal:	<p>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.</p>
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

Safety, health and environmental regulations/legislation specific for the substance or mixture:	
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 information 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

HMIS Hazard ID:	
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

National Chemical Inventories:	
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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Abbreviations:	
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