

PRINT DATE: 07/30/2015

1. PRODUCT IDENTIFICATION

PRODUCT NAME004 LEMON YELLOW, 034 MAGENTA, 068 TURQUIOSE PRODUCT CODE NUMBER ..603011S100P008 CHEMICAL FAMILYAZO REACTIVE DYE T.S.C.A. STATUSCOMPLIANCE PRIMARY PRODUCT USE......TEXTILE MANUFACTURING MANUFACTURED BY.......RUPERT, GIBBON, & SPIDER INC 1147 HEALDSBURG AVENUE HEALDSBURG CA 95448 PHONE: 707-433-9577

2. HAZARDS IDENTIFICATION

Warning: May be harmful if swallowed

This Product has been classified as Category 5 oral toxicity.

<u>Warning</u>: Causes Eye Irritation <u>Warning</u>: Causes Mild Skin Irritation

This Product has been classified as a Category 2B eye irritant and a Category 3 skin irritant...

Harmful to aquatic life with long lasting effects. (Chronic Category 3)

PRIMARY ROU	TE OF EXP	OSURE				
INHALA SKIN CO	TION: ONTACT:	YES YES	SKIN ABSORPTION: EYE CONTACT:	NO YES	INGESTION: NO	
CARCINOGEN	STATUS					
IARC:	NO	NTP: N	O OSHA: NO	AC	GIH: NO	
CHRONIC EFFE None Known by this produc	. Reactive d	lyes may caus	x 62.5	itization in s	ome individuals. Sensitization	

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SIGNS AND SYMPTOMS OF OVEREXPOSURE May be irritating to the eyes, skin, and 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.

3. HAZARDOUS INGREDIENTS

Reactive Red 11 50 - 60 % Eye and skin irritant. Harmful to aquatic life with long lasting effects

The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.

4. EMERGENCY AND FIRST AID PROCEDURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

INGESTION Dilute with water.. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

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.

5. FIRE AND EXPLOSION DATA

FLASH POINTNot Applicable

EXTINGUISHING MEDIADry Chemical Foam Water Fog . (Do not use CO2)

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.

6. SPILL OR LEAK PROCEDURES

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 sealable containers. For further disposal measures see section 13.

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7. SPECIAL PRECAUTIONS AND STORAGE DATA

SAFE HANDLING: In accord with good industrial practice. Handle with care and avoid personal contact.

8. EMPLOYEE PROTECTION RECOMMENDATIONS

GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION Employees should wear protective eye-goggles with side protection shield.

OTHER Wear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE				
COLOR	YELLOW TO DAR	K BROWN		
ODOR	NONE			
ODOR THRESHOLD	NA			
SOLUBILITY IN WATE	R 50 g/l @ 20 C			
BULK DENSITY	ND			
VISCOSITY	NA			
pH	7.5 - 8.5 (10.0 g/	1 20 C)		
MELTING POINT/FREE	ZING POINTNA			
PARTITION COEFFICIE	INT: N-OCTANOL/WAT	ERND		
BOILING POINT	NA			
VAPOR PRESSURE	NA			
VAPOR DENSITY	NA			
EVAPORATION RATE.	NA			
FLAMMABILITY	NA			
FLASH POINT	NA			
INGINITION TEMP	NA			
DECOMPOSITION TEM	PERATUREND			
UEL	NA			
LEL	NA			
% VOLATILE:	VALUE: ND	UNIT: %	COMMENT:	

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10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly. IIAZARDOUS REACTIONS : None expected CHEMICAL STABILITY......Stable INCOMPATABLE MATERIALS: None HAZARDOUS DECOMPOSITION PRODUCTS.....CO2, CO, SULFUR OXIDES, NITROGEN OXIDES CONDITIONS TO AVOID.....Avoid dusting conditions and sparks/flame. HAZARDOUS POLYMERIZATION....Will not occur

11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD50 (INGES	TION) ND
FISH, LC50	
EYE EFFECTS	
SKIN EFFECTS	SLIGHT
SENSITIZATION	ND

12. ECOLOGICAL DATA

BIODEGRADABILI	TY: ND
BACTERIA TOXICI	TY EC50 : ND
COD :	ND
AOX:	> 5.0 %

13. DISPOSAL CONSIDERATIONS

PRODUCT:...... If utilization or recycling of the 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. UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL D.O.T. HAZARD CLASSIFICATION: NOT REGULATED FRT. CLASS PACKAGE. 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

15. REGULATORY DATA

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.

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SARA 312:	Immediate (acute) health hazard	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

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.

16. OTHER INFORMATION

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

products be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

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Jacquard Safety Data Sheet acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 07/24/15

Reviewed on 07/24/15

1 Identification

Product identifier

Trade name: Soda Ash

Article number: No other identifiers CAS Number: 497-19-8 Index number: 011-005-00-2 Relevant identified uses of the sub

Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

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

Details of the supplier of the Safety Data Sheet Manufacturer/Supplier: Rupert, Gibbon, & Spider inc 1147 Healdsburg ave Healdsburg ca 95448

telephone number: 707-433-9577

2 Hazard(s) identification

Classification of the substance or mixture

GHS07

Eye Irrit. 2A H319 Causes serious eye irritation. Additional information:

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

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Trade name: Soda Ash Dense

(Contd. of page 1) 0 percent of the mixture consists of ingredient(s) of unknown toxicity. Label elements GHS label elements The substance is classified and labeled according to the Globally Harmonized System (GHS). Hazard pictograms GHS07 Signal word Warning Hazard statements H319 Causes serious eye irritation. **Precautionary statements** P280 Wear eye protection / face protection. P264 Wash thoroughly after handling. P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. Hazard description: Classification system: HMIS Long Term Health Hazard Substances Substance is not listed. Other hazards **Results of PBT and vPvB assessment** PBT: Not applicable. vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances CAS No. Description 497-19-8 sodium carbonate Identification number(s) EC number: 207-838-8

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Trade name: Soda Ash Dense

Index number: 011-005-00-2

4 First-aid measures

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

5 Fire-fighting measures

Extinguishing media Suitable extinguishing agents: Use fire fighting measures that suit the environment. For safety reasons unsuitable extinguishing agents: None. Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire.

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Trade name: Soda Ash Dense

Advice for firefighters Protective equipment:

Wear self-contained respiratory protective device. Wear fully protective suit. Additional information No further relevant information available.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away.

wear protective equipment. Reep unprotected persons a

Environmental precautions:

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

Damp down dust with water spray.

Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:

Precautions for safe handling

Prevent formation of dust.

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

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

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Protect from humidity and water. **Information about storage in one common storage facility:** Store away from foodstuffs.

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Trade name: Soda Ash Dense

Do not store together with acids.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles. **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

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

Control parameters

Components with limit values that require monitoring at the workplace:

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

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

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

Do not inhale dust / smoke / mist.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Engineering controls: No further relevant information available.

Breathing equipment:

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable.

Protection of hands:



Protective gloves

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

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Material of gloves

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

Penetration time of glove material

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

Eye protection:



Safety glasses

Body protection:

Not required under normal conditions of use.

Protection may be required for spills.

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

Information on basic physical and	chemical properties	
General Information		
Appearance:		
Form:	Granulate	
Color:	White	
Odor:	Odorless	
Odor threshold:	Not determined.	
pH-value at 20 °C (68 °F):	11.3 - 11.6 (1% solution)	
Change in condition		
Melting point/Melting range:	851.1 °C (1564 °F)	
Boiling point/Boiling range:	Undetermined.	
Flash point:	Not applicable.	
Flammability (solid, gaseous):	Product is not flammable.	
Auto-ignition temperature:	Not determined.	
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Trade name: Soda Ash Dense

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Decomposition temperature:	Not determined.
Auto igniting:	Not determined.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapor pressure:	Not applicable.
Density at 20 °C (68 °F):	2.53 g/cm³ (21.113 lbs/gal)
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	Soluble.
Partition coefficient (n-octanol/wa	ater): Not determined.
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

Possibility of hazardous reactions

Strong exothermic reaction with acids.

Reacts with halogenated compounds.

Conditions to avoid Avoid acids.

Incompatible materials: No further relevant information available.

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Trade name: Soda Ash Dense

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

497-19-8 sodium carbonate

Oral LD50 4090 mg/kg (rat)

Primary irritant effect:

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

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Subacute to chronic toxicity: No further relevant information available.

Additional toxicological information:

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

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)

Substance is not listed.

NTP (National Toxicology Program)

Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

Probable Routes of Exposure

Inhalation.

Eye contact. Skin contact.

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

Repeated Dose Toxicity: No further relevant information available.

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12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxical effects:

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

Additional ecological information:

General notes:

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

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

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

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation:

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

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

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Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.

UN-Number		
DOT, ADN, IMDG, IATA	Not Regulated	
UN proper shipping name		
DOT, ADN, IMDG, IATA	Not Regulated	
Transport hazard class(es)		
DOT, ADR, ADN, IMDG, IATA		
Class	Not Regulated	
Packing group		
DOT, IMDG, IATA	Not Regulated	
Environmental hazards:		
Marine pollutant:	No	
Special precautions for user	Not applicable.	
Transport in bulk according to Annex	ll of	
MARPOL73/78 and the IBC Code	Not applicable.	
UN "Model Regulation":	_	

15 Regulatory information

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

SARA

Section 355 (extremely hazardous substances):

Substance is not listed.

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Section 313 (Specific toxic chemical listings):

TSCA (Toxic Substances Control Act): Substance is listed. Proposition 65 (California) Chemicals known to

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cause cancer:

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Substance is not listed.

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Substance is not listed. Chemicals known to cause reproductive toxicity for females: Substance is not listed. Chemicals known to cause reproductive toxicity for males: Substance is not listed. Chemicals known to cause developmental toxicity: Substance is not listed.

Carcinogenic categories

EPA (Environmental Protection Agency)

Substance is not listed.

IARC (International Agency for Research on Cancer)

Substance is not listed.

TLV (Threshold Limit Value established by ACGIH)

Substance is not listed.

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

Substance is not listed.

Other regulations, limitations and prohibitive regulations

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

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

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation / last revision 7/24/15

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A