



SAFETY DATA SHEET

Issue Date 11-Sep-2015

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REVISION NUMBER: 7

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

Product identifier

Product Name DOLPHON CR-1035A

Other means of identification

Product Code CR-1035A

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use No information available.

Uses advised against No information available

Details of the supplier of the safety data sheet

MANUFACTURED BY:

JOHN C. DOLPH, a Von Roll Company

320 New Road, MONMOUTH JUNCTION, NJ 08852

BUSINESS: (732) 329-2333

EMERGENCY: (518) 395-3310

Emergency telephone number

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B

Label elements

Emergency Overview

Danger

Hazard statements

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

Suspected of causing cancer

May damage fertility or the unborn child

**Appearance** No information available**PHYSICAL STATE** Liquid**ODOR** No information available**Precautionary Statements - Prevention**

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Wash face, hands and any exposed skin thoroughly after handling
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 Specific treatment (see .? on this label)
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 Take off contaminated clothing and wash before reuse
 If skin irritation or rash occurs: Get medical advice/attention

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)**Other Information**

- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

Toxicity: Not determined

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	CAS No.	APPROX. WEIGHT PERCENT	TRADE SECRET
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	25068-38-6	30 - 60	
Kaolin 1332-58-7	1332-58-7	30 - 60	
Dibutyl Phthalate 84-74-2	84-74-2	10 - 30	
Titanium Dioxide 13463-67-7	13463-67-7	0.1 - 1	

4. FIRST AID MEASURES

First aid measures

EYE CONTACT Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

SKIN CONTACT Wash skin with soap and water.

Inhalation Remove to fresh air.

INGESTION Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Caution: Use of water spray when fighting fire may be inefficient.

Special Hazards:

None Known.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

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

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	ACGIH TLV	OSHA PEL-TWA	NIOSH IDLH
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-	-	-
Kaolin 1332-58-7	TWA: 2 mg/m ³ particulate matter containing no asbestos and <1% crystalline silica, respirable fraction	PARTICULATES: 15	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Dibutyl Phthalate 84-74-2	TWA: 5 mg/m ³	5	IDLH: 4000 mg/m ³ TWA: 5 mg/m ³
Titanium Dioxide 13463-67-7	TWA: 10 mg/m ³	PARTICULATES: 15	IDLH: 5000 mg/m ³

Appropriate engineering controls

ENGINEERING CONTROLS:

- Exhaust ventilation.
- Showers.
- Eyewash stations.
- Use in a well ventilated area.
- Use explosion proof equipment.

Individual protection measures, such as personal protective equipment

Von Roll recommends evaluation and selection of appropriate engineering controls (such as ventilation and eyewash/safety shower) as well as appropriate personal protective equipment (such as respiratory protection, protective gloves, eye protection) for safely handling this material. The following guidelines should be considered in this process.

EYE PROTECTION: Safety glasses with side shields (designed to ANSI standards). Goggles may be required based on application and processing of material. Splash Goggles.

GLOVES: Rubber gloves. All clean, impervious glove types are acceptable.

VENTILATION: Use only in well ventilated area. Localized mechanical ventilation. General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits during the use of this product.

RESPIRATORY PROTECTION: Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is likely, use positive pressure or self contained breathing apparatus. If inhaled, remove to fresh air.

OTHER PERSONAL PROTECTION DATA: Wear eye protection and protective clothing.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

PHYSICAL STATE	Liquid	ODOR:	MILD SLIGHT ODOR
Appearance	No information available	ODOR THRESHOLD	UNKNOWN
DESCRIPTION:	RED	(PPM):	
PROPERTIES	Values	Remarks • Method	
pH	No information available		

Melting point/freezing point	No information available
Boiling point / boiling range	No information available
Flash point	>93 > 200
EVAPORATION RATE	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
VAPOR PRESSURE	No information available
VAPOR DENSITY	No information available
SPECIFIC GRAVITY	1.40
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

Other Information

Softening point	No information available
DENSITY	No information available
Bulk density	No information available

10. STABILITY AND REACTIVITY**REACTIVITY**

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

CONDITIONS TO AVOID

Keep away from heat, sparks and flame. Avoid any source of ignition. Oxidizing Conditions Extreme heat.

Incompatible materials

Lead Aluminum. Strong oxidizing agents. Acids.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide. Aldehydes.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

PRODUCT INFORMATION	No data available
Inhalation	No data available.
EYE CONTACT	No data available.
SKIN CONTACT	No data available.
INGESTION	No data available.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Oral LD50	Dermal LD50	Inhalation LC50
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	= 11400 mg/kg (Rat)	-	-
Kaolin 1332-58-7	-	-	-
Dibutyl Phthalate 84-74-2	= 6300 mg/kg (Rat)	> 20 mL/kg (Rabbit)	> 15.68 mg/L (Rat) 4 h
Titanium Dioxide 13463-67-7	> 10000 mg/kg (Rat)	-	-

Information on toxicological effects

Symptoms No information available.

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

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	ACGIH	IARC	NTP	OSHA
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-	-	-	-
Kaolin 1332-58-7	-	-	-	-
Dibutyl Phthalate 84-74-2	-	-	-	-
Titanium Dioxide 13463-67-7	-	Group 2B	-	X

Reproductive toxicity No information available.
STOT - single exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - PRODUCT INFORMATION

Toxicity: Not determined
The following values are calculated based on chapter 3.1 of the GHS document .
ATEmix (oral) 10122 mg/kg
ATEmix (dermal) 123163 mg/kg

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful to aquatic life

36.0092% of the mixture consists of component(s) of unknown hazards to the aquatic environment

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Acute Algae Toxicity:	Acute Fish Toxicity:	Crustacea
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-	-	-
Kaolin 1332-58-7	-	-	-

Dibutyl Phthalate 84-74-2	0.4: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 1.2: 72 h Desmodesmus subspicatus mg/L EC50	0.31 - 5.45: 96 h Pimephales promelas mg/L LC50 static 0.42 - 1.28: 96 h Lepomis macrochirus mg/L LC50 static 0.71 - 1.2: 96 h Pimephales promelas mg/L LC50 flow-through 1.24 - 5.3: 96 h Oncorhynchus mykiss mg/L LC50 static 1.38 - 1.74: 96 h Lepomis macrochirus mg/L LC50 flow-through 1.24: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	2.99: 48 h Daphnia magna mg/L EC50 Static 3.4: 48 h Daphnia magna mg/L EC50
Titanium Dioxide 13463-67-7	-	-	-

Persistence and degradability

No information available.

Bioaccumulation

No information available.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Partition coefficient
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-
Kaolin 1332-58-7	-
Dibutyl Phthalate 84-74-2	5.38
Titanium Dioxide 13463-67-7	-

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Do not reuse container.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	RCRA Classification:	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-	-	-	-
Kaolin 1332-58-7	-	-	-	-
Dibutyl Phthalate 84-74-2	U069	Included in waste stream: F039	-	U069
Titanium Dioxide 13463-67-7	-	-	-	-

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-	-	-	-
Kaolin 1332-58-7	-	-	-	-

Dibutyl Phthalate 84-74-2	-	-	-	-
Titanium Dioxide 13463-67-7	-	-	-	-

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	California Hazardous Waste Status
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-
Kaolin 1332-58-7	-
Dibutyl Phthalate 84-74-2	-
Titanium Dioxide 13463-67-7	-

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: RESIN COMPOUND, LIQUID, NOT DOT REGULATED

DOT HAZARD CLASS: NONE

DOT PACKING GROUP: NONE;

DOT LABEL(S): NONE

UN/NA NUMBER: NONE

PLACARDS: NONE

ICAO/IATA: 9, III

MARINE POLLUTANT: NONE

NMFC CLASSIFICATION: CLASS 60

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

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

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

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

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

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	Yes
Chronic Health Hazards:	None
FIRE HAZARD	No
Sudden release of pressure hazard	No
REACTIVE HAZARD	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-	-	-	-
Kaolin 1332-58-7	-	-	-	-
Dibutyl Phthalate 84-74-2	10 lb	X	X	X
Titanium Dioxide 13463-67-7	-	-	-	-

CERCLA

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Hazardous Substances RQs	CERCLA/SARA RQ
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-	-
Kaolin 1332-58-7	-	-
Dibutyl Phthalate 84-74-2	10 lb	RQ 10 lb final RQ RQ 4.54 kg final RQ
Titanium Dioxide 13463-67-7	-	-

US State Regulations**CALIFORNIA PROPOSITION 65**

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	CALIFORNIA PROPOSITION 65
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-
Kaolin 1332-58-7	-
Dibutyl Phthalate 84-74-2	Developmental Female Reproductive Male Reproductive
Titanium Dioxide 13463-67-7	Carcinogen

U.S. State Right-to-Know Regulations

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	New Jersey Right-to-Know List:	MA Right to Know Law:	Pennsylvania Right to Know List
Bisphenol A-Epichlorohydrin Polymer 25068-38-6	-	-	-
Kaolin 1332-58-7	X	X	X
Dibutyl Phthalate 84-74-2	X	X	X
Titanium Dioxide 13463-67-7	X	X	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

NFPA RATING: HEALTH 2 , FLAMMABILITY 1 , INSTABILITY 0
HMIS CLASSIFICATION: HEALTH *2 , FLAMMABILITY 1 , PHYSICAL HAZARD 0

Prepared By Santino M. Cardella
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Revision Note

No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF MSDS