



SAFETY DATA SHEET

Issue Date 04-Jun-2015

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REVISION NUMBER: 1

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

Product identifier

Product Name DOLPHON CC-1120 KIT

Other means of identification

Product Code CC-1120 KIT

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use This is Part A and Part B of a Two Part KIT system consisting of the Base Resin Mixture and Curing Agent. Please consult the Technical Data Sheet for the proper mixing ratio of A to B.

Uses advised against No information available

Details of the supplier of the safety data sheet

MANUFACTURED BY:

JOHN C. DOLPH, a Von Roll Company

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BUSINESS: (732) 329-2333

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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)

Respiratory sensitization	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 2

Label elements

Emergency Overview

Danger

Hazard statements

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction

May cause cancer

May cause damage to organs through prolonged or repeated exposure

**Appearance** No information available**PHYSICAL STATE** No information available**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
 Contaminated work clothing should not be allowed out of the workplace
 Wear protective gloves
 Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 Specific treatment (see .? on this label)
 IF ON SKIN: Wash with plenty of soap and water
 If skin irritation or rash occurs: Get medical advice/attention
 Wash contaminated clothing before reuse

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**

- Causes mild skin irritation
- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life

Toxicity:

Not determined

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	CAS No.	APPROX. WEIGHT PERCENT	TRADE SECRET
Distillates, Hydrotreated Light Naphthenic 64742-53-6	64742-53-6	10 - 30	
Terphenyls, Hydrogenated 61788-32-7	61788-32-7	5 - 10	
Methylene Bisphenylene Diisocyanate 101-68-8	101-68-8	1 - 5	
Terphenyls 26140-60-3	26140-60-3	0.1 - 1	
Diphenylmethane Diisocyanate 26447-40-5	26447-40-5	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.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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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.
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Environmental precautions

Environmental precautions	See Section 12 for additional ecological information.
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Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
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Methods for cleaning up	Pick up and transfer to properly labeled containers.
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7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place.
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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
Distillates, Hydrotreated Light Naphthenic 64742-53-6	-	AEROSOL: 5	-
Terphenyls, Hydrogenated 61788-32-7	TWA: 0.5 ppm non-irradiated	(vacated) TWA: 0.5 ppm (vacated) TWA: 5 mg/m ³	TWA: 0.5 ppm TWA: 5 mg/m ³
Methylene Bisphenylene Diisocyanate 101-68-8	TWA: 0.005 ppm	MAXIMUM: 0.02	IDLH: 75 mg/m ³ Ceiling: 0.020 ppm 10 min Ceiling: 0.2 mg/m ³ 10 min TWA: 0.005 ppm TWA: 0.05 mg/m ³
Terphenyls 26140-60-3	Ceiling: 5 mg/m ³	9 (MAX)	IDLH: 500 mg/m ³
Diphenylmethane Diisocyanate 26447-40-5	-	Ceiling: 0.02 ppm Ceiling: 0.2 mg/m ³	-

Appropriate engineering controls

ENGINEERING CONTROLS: Localized ventilation should be used to control dust levels.

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: None known.

GLOVES: None known.

VENTILATION: Use only in well ventilated area.

RESPIRATORY PROTECTION: None known.

OTHER PERSONAL PROTECTION DATA: None known.

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	No information available	ODOR:	MILD TO ODORLESS
Appearance	No information available	ODOR THRESHOLD	UNKNOWN
DESCRIPTION:	OFF-WHITE	(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 °C / > 200 °F		
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	No information available
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

None known.

Incompatible materials

None known.

Hazardous Decomposition Products

Carbon monoxide.

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

Distillates, Hydrotreated Light Naphthenic 64742-53-6	-	-	-
Terphenyls, Hydrogenated 61788-32-7	= 10200 mg/kg (Rat)	= 6800 mg/kg (Rabbit)	> 4.3 mg/L (Rat) 4 h
Methylene Bisphenylene Diisocyanate 101-68-8	= 31600 mg/kg (Rat) = 9200 mg/kg (Rat) > 7400 mg/kg (Rat)	> 6200 mg/kg (Rabbit)	= 369 mg/m ³ (Rat) 4 h = 0.369 mg/L (Rat) 4 h
Terphenyls 26140-60-3	-	> 12500 mg/kg (Rabbit)	-
Diphenylmethane Diisocyanate 26447-40-5	> 7400 mg/kg (Rat)	> 6200 mg/kg (Rabbit)	= 0.369 mg/L (Rat) 4 h

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
Distillates, Hydrotreated Light Naphthenic 64742-53-6	A2	Group 1	-	X
Terphenyls, Hydrogenated 61788-32-7	-	-	-	-
Methylene Bisphenylene Diisocyanate 101-68-8	-	Group 3	-	-
Terphenyls 26140-60-3	-	-	-	-
Diphenylmethane Diisocyanate 26447-40-5	-	Group 3	-	-

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) 46449 mg/kg
ATEmix (dermal) 17446 mg/kg mg/L

12. ECOLOGICAL INFORMATION**Ecotoxicity**

68.632% 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
Distillates, Hydrotreated Light Naphthenic 64742-53-6	-	5000: 96 h Oncorhynchus mykiss mg/L LC50	1000: 48 h Daphnia magna mg/L EC50
Terphenyls, Hydrogenated 61788-32-7	0.53: 96 h Pseudokirchneriella subcapitata mg/L EC50	0.53: 96 h Lepomis macrochirus mg/L LC50 static 0.53: 96 h Oncorhynchus mykiss mg/L LC50 static 0.53: 96 h Pimephales promelas mg/L LC50 static	0.011: 48 h Daphnia magna mg/L EC50

Methylene Bisphenylene Diisocyanate 101-68-8	3230: 96 h Skeletonema costatum mg/L EC50	-	1000: 24 h Daphnia magna mg/L EC50
Terphenyls 26140-60-3	0.02: 96 h Pseudokirchneriella subcapitata mg/L EC50	0.11: 96 h Lepomis macrochirus mg/L LC50 static 0.11: 96 h Oncorhynchus mykiss mg/L LC50 static 0.11: 96 h Pimephales promelas mg/L LC50 static	0.11: 48 h Daphnia magna mg/L EC50
Diphenylmethane Diisocyanate 26447-40-5	3230: 96 h Skeletonema costatum mg/L EC50	-	1000: 24 h Daphnia magna mg/L EC50

Persistence and degradability

No information available.

Bioaccumulation

No information available.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Partition coefficient
Distillates, Hydrotreated Light Naphthenic 64742-53-6	-
Terphenyls, Hydrogenated 61788-32-7	-
Methylene Bisphenylene Diisocyanate 101-68-8	4.5
Terphenyls 26140-60-3	-
Diphenylmethane Diisocyanate 26447-40-5	4.5

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
Distillates, Hydrotreated Light Naphthenic 64742-53-6	-	-	-	-
Terphenyls, Hydrogenated 61788-32-7	-	-	-	-
Methylene Bisphenylene Diisocyanate 101-68-8	-	-	-	-
Terphenyls 26140-60-3	-	-	-	-
Diphenylmethane Diisocyanate 26447-40-5	-	-	-	-

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Distillates, Hydrotreated Light Naphthenic 64742-53-6	-	-	-	-

Terphenyls, Hydrogenated 61788-32-7	-	-	-	-
Methylene Bisphenylene Diisocyanate 101-68-8	-	-	-	-
Terphenyls 26140-60-3	-	-	-	-
Diphenylmethane Diisocyanate 26447-40-5	-	-	-	-

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	California Hazardous Waste Status
Distillates, Hydrotreated Light Naphthenic 64742-53-6	-
Terphenyls, Hydrogenated 61788-32-7	-
Methylene Bisphenylene Diisocyanate 101-68-8	-
Terphenyls 26140-60-3	-
Diphenylmethane Diisocyanate 26447-40-5	-

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: NOT REGULATED

MARINE POLLUTANT: NONE

NMFC CLASSIFICATION: CLASS 55

15. REGULATORY INFORMATION

International Inventories

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

Legend:

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

DSL/NDL - 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	SARA 313 - Threshold Values %
Polymethylene Polyphenyl Isocyanate 9016-87-9	1.0
Methylene Bisphenylene Diisocyanate 101-68-8	1.0

SARA 311/312 Hazard Categories

ACUTE HEALTH HAZARD	No
FIRE HAZARD	No
Sudden release of pressure hazard	No
REACTIVE HAZARD	No

CWA (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)

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Distillates, Hydrotreated Light Naphthenic 64742-53-6	-	-	-	-
Terphenyls, Hydrogenated 61788-32-7	-	-	-	-
Methylene Bisphenylene Diisocyanate 101-68-8	-	-	-	-
Terphenyls 26140-60-3	-	-	-	-
Diphenylmethane Diisocyanate 26447-40-5	-	-	-	-

CERCLA

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Hazardous Substances RQs	CERCLA/SARA RQ
Distillates, Hydrotreated Light Naphthenic 64742-53-6	-	-
Terphenyls, Hydrogenated 61788-32-7	-	-
Methylene Bisphenylene Diisocyanate 101-68-8	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Terphenyls 26140-60-3	-	-
Diphenylmethane Diisocyanate 26447-40-5	-	-

US State Regulations**CALIFORNIA PROPOSITION 65**

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	CALIFORNIA PROPOSITION 65
Distillates, Hydrotreated Light Naphthenic 64742-53-6	-
Terphenyls, Hydrogenated 61788-32-7	-
Methylene Bisphenylene Diisocyanate 101-68-8	-
Terphenyls 26140-60-3	-
Diphenylmethane Diisocyanate 26447-40-5	-

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
Distillates, Hydrotreated Light Naphthenic 64742-53-6	-	X	-
Terphenyls, Hydrogenated 61788-32-7	X	X	X
Methylene Bisphenylene Diisocyanate 101-68-8	X	X	X
Terphenyls 26140-60-3	X	X	X
Diphenylmethane Diisocyanate 26447-40-5	X	X	-

U.S. EPA Label Information**EPA Pesticide Registration Number** Not Applicable**16. OTHER INFORMATION****NFPA RATING:**

HEALTH 2 , FLAMMABILITY 1 , INSTABILITY 1

HMIS CLASSIFICATION:

HEALTH *2 , FLAMMABILITY 1 , PHYSICAL HAZARD 1

Prepared By

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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*****