

Issue Date No data available

Revision Date 20-Mar-2015

REVISION NUMBER: 2

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

Product identifier

Product Name 74010A

Other means of identification

Product Code 74010A

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:

VON ROLL USA, INC.

200 VON ROLL DRIVE

SCHENECTADY, NY 12306

BUSINESS: (518) 344-7100

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)

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Reproductive toxicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

Label elements

Emergency Overview

Danger

Hazard statements

Harmful if inhaled

Causes skin irritation

Causes serious eye irritation

May cause genetic defects

May cause cancer

May damage fertility or the unborn child

May cause damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Flammable liquid and vapor

**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
Wear eye/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/ /equipment
Use only non-sparking tools
Take precautionary measures against static discharge

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 skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

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

- May be harmful if swallowed
- May be harmful in contact with skin
- 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
Methyl Isobutyl Ketone 108-10-1	108-10-1	10 - 30	

Propylene Glycol Methyl Ether 107-98-2	107-98-2	10 - 30	
Xylene (Mixed Isomers) 1330-20-7	1330-20-7	10 - 30	
Ethyl Benzene 100-41-4	100-41-4	1 - 5	
2-Methoxy-1-Propanol 1589-47-5	1589-47-5	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.
-----------------	---------------------------

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
Methyl Isobutyl Ketone 108-10-1	STEL: 75 ppm TWA: 20 ppm	100	IDLH: 500 ppm TWA: 50 ppm TWA: 205 mg/m ³ STEL: 75 ppm STEL: 300 mg/m ³
Propylene Glycol Methyl Ether 107-98-2	STEL: 100 ppm TWA: 50 ppm	100 (1989)	TWA: 100 ppm TWA: 360 mg/m ³ STEL: 150 ppm STEL: 540 mg/m ³
Xylene (Mixed Isomers) 1330-20-7	STEL: 150 ppm TWA: 100 ppm	100	-
Ethyl Benzene 100-41-4	TWA: 20 ppm	100	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m ³ STEL: 125 ppm STEL: 545 mg/m ³
2-Methoxy-1-Propanol 1589-47-5	-	-	-

Appropriate engineering controls

ENGINEERING CONTROLS: Exhaust ventilation.
Showers.
Eyewash stations.
Use in a well ventilated area.

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: Splash Goggles.

GLOVES: Polyvinyl alcohol gloves. Viton rubber gloves.

VENTILATION: Use only in well ventilated area. Localized mechanical ventilation.

RESPIRATORY PROTECTION: Use in a well ventilated area. Use approved NIOSH respiratory protection if TLV exceeded, or over exposure is likely.

**OTHER PERSONAL
PROTECTION DATA:**

Rubber apron or other chemical-resistant apron. Face shield.

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

Appearance

No information available

DESCRIPTION:

AMBER

ODOR:

PLEASANT

ODOR THRESHOLD

UNKNOWN

(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

19 °C / 66 °F

EVAPORATION RATE

No information available

Flammability (solid, gas)

No information available

Flammability Limit in Air**Upper flammability limit:**

7

Lower flammability limit:

1

VAPOR PRESSURE

No information available

VAPOR DENSITY

No information available

SPECIFIC GRAVITY

1.00

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.

Incompatible materials

Avoid contact with acidic, basic or oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide. Toxic fumes. Oxides of nitrogen. Ammonia. Benzene. Formaldehyde.

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
Methyl Isobutyl Ketone 108-10-1	= 2080 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 8.2 mg/L (Rat) 4 h
Propylene Glycol Methyl Ether 107-98-2	= 5000 mg/kg (Rat)	= 13 g/kg (Rabbit)	> 6 mg/L (Rat) 4 h
Xylene (Mixed Isomers) 1330-20-7	= 3500 mg/kg (Rat) = 4820 mg/kg (Rat)	> 4350 mg/kg (Rabbit) > 1700 mg/kg (Rabbit) > 2000 mg/kg (Rabbit)	= 29.08 mg/L (Rat) 4 h = 5000 ppm (Rat) 4 h > 5.04 mg/L (Rat) 4 h
Ethyl Benzene 100-41-4	= 3500 mg/kg (Rat) = 4820 mg/kg (Rat)	= 15400 mg/kg (Rabbit) > 2000 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h > 5.04 mg/L (Rat) 4 h
2-Methoxy-1-Propanol 1589-47-5	-	-	-

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
Methyl Isobutyl Ketone 108-10-1	A3	Group 2B	-	X
Propylene Glycol Methyl Ether 107-98-2	-	-	-	-
Xylene (Mixed Isomers) 1330-20-7	-	Group 3	-	-
Ethyl Benzene 100-41-4	A3	Group 2B	-	X
2-Methoxy-1-Propanol 1589-47-5	-	-	-	-

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) 4554 mg/kg
ATEmix (dermal) 2606 mg/kg mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity

59.45349% 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
Methyl Isobutyl Ketone 108-10-1	400: 96 h Pseudokirchneriella subcapitata mg/L EC50	496 - 514: 96 h Pimephales promelas mg/L LC50 flow-through	170: 48 h Daphnia magna mg/L EC50
Propylene Glycol Methyl Ether 107-98-2	-	4600 - 10000: 96 h Leuciscus idus mg/L LC50 static 20.8: 96 h Pimephales promelas g/L LC50 static	23300: 48 h Daphnia magna mg/L EC50
Xylene (Mixed Isomers) 1330-20-7	11: 72 h Pseudokirchneriella subcapitata mg/L EC50	13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 13.4: 96 h Pimephales promelas mg/L LC50 flow-through 19: 96 h Lepomis macrochirus mg/L LC50 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50	0.6: 48 h Gammarus lacustris mg/L LC50 3.82: 48 h water flea mg/L EC50
Ethyl Benzene 100-41-4	1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 11: 72 h Pseudokirchneriella subcapitata mg/L EC50 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50	11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 9.6: 96 h Poecilia reticulata mg/L LC50 static	1.8 - 2.4: 48 h Daphnia magna mg/L EC50
2-Methoxy-1-Propanol 1589-47-5	-	-	-

Persistence and degradability

No information available.

Bioaccumulation

No information available.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Partition coefficient
Methyl Isobutyl Ketone 108-10-1	1.19
Propylene Glycol Methyl Ether 107-98-2	-0.437
Xylene (Mixed Isomers) 1330-20-7	2.77 - 3.15
Ethyl Benzene 100-41-4	3.118
2-Methoxy-1-Propanol 1589-47-5	-

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.

EPA HAZARDOUS WASTE DISPOSAL CODE: D001, D018, RQ = 10 lb / 4.54 kg.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	RCRA Classification:	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl Isobutyl Ketone 108-10-1	-	Included in waste stream: F039	-	U161
Propylene Glycol Methyl Ether 107-98-2	-	-	-	-
Xylene (Mixed Isomers) 1330-20-7	-	Included in waste stream: F039	-	U239
Ethyl Benzene 100-41-4	-	Included in waste stream: F039	-	-
2-Methoxy-1-Propanol 1589-47-5	-	-	-	-

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Methyl Isobutyl Ketone 108-10-1	-	-	-	-
Propylene Glycol Methyl Ether 107-98-2	-	-	-	-
Xylene (Mixed Isomers) 1330-20-7	-	-	-	-
Ethyl Benzene 100-41-4	-	-	-	-
2-Methoxy-1-Propanol 1589-47-5	-	-	-	-

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	California Hazardous Waste Status
Methyl Isobutyl Ketone 108-10-1	-
Propylene Glycol Methyl Ether 107-98-2	-
Xylene (Mixed Isomers) 1330-20-7	Toxic Ignitable
Ethyl Benzene 100-41-4	Toxic Ignitable
2-Methoxy-1-Propanol 1589-47-5	-

14. TRANSPORT INFORMATION

DOT SHIPPING NAME: RESIN SOLUTION

DOT HAZARD CLASS: 3

DOT PACKING GROUP: PG II

DOT LABEL(S): FLAMMABLE LIQUID

UN/NA NUMBER: UN1866

PLACARDS: FLAMMABLE LIQUID

ICAO/IATA: 3, II

MARINE POLLUTANT: NONE

NMFC CLASSIFICATION: CLASS 55

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDL	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/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 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
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
Methyl Isobutyl Ketone 108-10-1	-	-	-	-
Propylene Glycol Methyl Ether 107-98-2	-	-	-	-
Xylene (Mixed Isomers) 1330-20-7	100 lb	-	-	X
Ethyl Benzene 100-41-4	1000 lb	X	X	X
2-Methoxy-1-Propanol 1589-47-5	-	-	-	-

CERCLA

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Hazardous Substances RQs	CERCLA/SARA RQ
Methyl Isobutyl Ketone 108-10-1	5000 lb	RQ 5000 lb final RQ RQ 2270 kg final RQ
Propylene Glycol Methyl Ether 107-98-2	-	-
Xylene (Mixed Isomers) 1330-20-7	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

Ethyl Benzene 100-41-4	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ
2-Methoxy-1-Propanol 1589-47-5	-	-

US State Regulations**CALIFORNIA PROPOSITION 65**

This product does not contain any Proposition 65 chemicals

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
Methyl Isobutyl Ketone 108-10-1	X	X	X
Propylene Glycol Methyl Ether 107-98-2	X	X	X
Xylene (Mixed Isomers) 1330-20-7	X	X	X
Ethyl Benzene 100-41-4	X	X	X
2-Methoxy-1-Propanol 1589-47-5	-	-	-

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

NFPA RATING: HEALTH 2 , FLAMMABILITY 3 , INSTABILITY 0
HMIS CLASSIFICATION: HEALTH *2 , FLAMMABILITY 3 , PHYSICAL HAZARD 0

Prepared By Santino M. Cardella
Revision Date 20-Mar-2015

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