



SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Revision date: 13/Jan/2017

Version: 1

Language: en-CA,US

Date of print: 31/Jan/2017

GMK-2510-Hardener

Material number 162010

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1. Product and company identification

Product identifier

Trade name: GMK-2510-Hardener

Relevant identified uses of the substance or mixture and uses advised against

General use: Curing agent.
Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Company name: WEICON Inc.
Street/POB-No.: 20 Steckle Place, Unit 20
Postal Code, city: Kitchener, Ontario N2E 2C3, CA
WWW: www.weicon.ca
E-mail: info@weicon.ca
Telephone: +1-519-896-5252
Telefax: +1-519-896-5254
Dept. responsible for information:
Product-Safety-Department
Telephone: +49(0)251 / 9322 - 0, Email: msds@weicon.de

Emergency phone number

EMERGENCY CONTACT – Canada (24h): Tel: ++1 866 928 0789 (Toll free)

Transport:

TRANSPORT EMERGENCY CONTACT - Canada (24h): Tel: ++1 866 928 0789 (Toll free)

2. Hazards identification

Emergency overview

Appearance: Physical state at 20 °C and 101.3 kPa: liquid

Color: varying

Odor: aromatic

Classification: Flammable Liquid 2; Skin Irritation 2; Eye Irritation 2A; Respiratory Sensitizer 1; Sensitization - skin 1; Specific Target Organ Toxicity (Single Exposure) 3;

Hazard symbols:



Signal word:

Danger

Hazard statements:

Highly flammable liquid and vapor.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause drowsiness or dizziness.



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Precautionary statements: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep cool.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash hands and face thoroughly after handling.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection.
In case of inadequate ventilation wear respiratory protection.
IF ON SKIN: Wash with plenty of water/soap.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/or shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Call a POISON CENTER/doctor if you feel unwell.
Specific treatment (see ' First aid ' on this label).
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use Water fog, alcohol resistant foam, extinguishing powder, carbon dioxide, sand to extinguish.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

Potentially explosive mixtures may form if adequate ventilation is not provided.
Inhaling can lead to irritations of the respiratory tract and mucous membrane.
Higher doses may lead to a narcotic effect.
Further hazardous properties cannot be excluded.
see section 11: Toxicological information



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3. Composition / Information on ingredients

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 141-78-6	Ethyl acetate	approx. 70 %	Flammable Liquid 2. Eye Irritation 2A. Specific Target Organ Toxicity (Single Exposure) 3.
CAS 2422-91-5	Triphenylmethane-4,4',4"-triisocyanate	approx. 27 %	Skin Irritation 2. Respiratory Sensitizer 1. Sensitization - skin 1.
CAS 108-90-7	Chlorobenzene	< 2.5 %	Flammable Liquid 3. Acute Toxicity 4 (inhalative). Aquatic toxicity - chronic 2.
CAS 101-68-8	4,4'-Methylenediphenyl diisocyanate	< 0.1 %	Acute Toxicity 4 (inhalative). Skin Irritation 2. Eye Irritation 2A. Respiratory Sensitizer 1. Sensitization - skin 1. Carcinogenicity 2. Specific Target Organ Toxicity (Single Exposure) 3. Specific Target Organ Toxicity (Repeated Exposure) 2.
CAS 103-71-9	Phenyl isocyanate	< 0.05 %	Flammable Liquid 3. Acute Toxicity 4 (oral). Acute Toxicity 1 (inhalative). Skin Corrosion 1B. Respiratory Sensitizer 1. Sensitization - skin 1.

4. First aid measures

General information:	IF exposed or concerned: Get medical advice/attention. If medical advice is needed, have product container or label at hand. First aider: Pay attention to self-protection! Take off immediately all contaminated clothing and wash it before reuse.
In case of inhalation:	Remove person to fresh air and keep comfortable for breathing. Seek medical attention.
Following skin contact:	Wash with plenty of water/soap. If skin irritation or rash occurs: Get medical attention.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Keep eye wide open. Remove contact lenses, if present and easy to do. Continue rinsing. Do not attempt to pull apart bonded eyelid. Subsequently consult an ophthalmologist.
After swallowing:	Rinse mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

Most important symptoms and effects, both acute and delayed

Inhaling can lead to irritations of the respiratory tract and mucous membrane. Higher doses may lead to a narcotic effect. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause drowsiness or dizziness. headache. Gastric and intestinal problems

Information to physician

Treat symptomatically.



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5. Fire fighting measures

Flash point/flash point range:

-4 °C

Auto-ignition temperature: 460 °C

Suitable extinguishing media:

Water fog, alcohol resistant foam, extinguishing powder, sand, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

Specific hazards arising from the chemical

Highly flammable liquid and vapor.

May form dangerous gases and vapours in case of fire.

In case of fire may be liberated: Carbon black, hydrogen cyanide, nitrogen oxides (NO_x), carbon monoxide and carbon dioxide.

Air combined with vapors may form potentially explosive mixtures that are heavier than air. Vapor may travel great distances and cause fire and backflashes.

Protective equipment and precautions for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Do not inhale explosion and combustion gases.

Additional information:

Heating will lead to pressure increase: Danger of bursting and explosion. Keep containers cool with water spray.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Do not allow fire water to penetrate into surface or ground water.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

Personal precautions:

Provide adequate ventilation. Wear appropriate protective equipment. Avoid contact with skin, eyes, and clothing.

Do not breathe vapors/dust/ aerosols. Eliminate all ignition sources if safe to do so.

If possible, eliminate leakage. Keep unprotected people away. Take off immediately all contaminated clothing and wash it before reuse.

Cordon off downwind area at risk and warn inhabitants.

Environmental precautions:

Do not allow to enter into ground-water, surface water or drains. Danger of explosion!

In case of release, notify competent authorities.

Methods for clean-up:

Cover with moist liquid binding material (e.g. sand, chemical agent with calcium silicate hydrate). After approximately 1 hour, mechanically collect in an open waste container (CO₂ build-up). Ventilate affected area.

Beware of reignition. Thoroughly clean surrounding area.

In case of greater quantities: Collect mechanically (use only explosion-proof equipment when pumping out).

Additional information:

Use explosion-proof equipment and non-sparking tools/utensils.



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7. Handling and storage

Handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe vapors/dust/ aerosols. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Guarantee sufficient ventilation during and after use, in order to prevent vapour accumulation. Keep unprotected people away.

When handling large quantities, supply emergency spray.

Precautions against fire and explosion:

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharge.

Use only explosion-protected equipment/instruments. Do not weld.

In partially filled containers explosive mixtures may form.

Storage

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place.

Protect from moisture contamination. Protect from frost, heat and sunlight.

Storage temperature: < 30 °C.

Store only in original container. Store containers in upright position.

Hints on joint storage:

Do not store with oxidizing agents.

Keep away from food, drink and animal feedingstuffs.

Do not store together with combustible or self-igniting materials or any highly flammable solids.

Further details:

Do not allow the product to enter the ground.



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8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
141-78-6	Ethyl acetate	Canada, Alberta: OEL 8 hour	1440 mg/m ³ ; 400 ppm
		Canada, BC: OEL TWA	150 ppm
		Canada, Québec: VEMP	1440 mg/m ³ ; 400 ppm
		USA: ACGIH: TWA	1440 mg/m ³ ; 400 ppm
		USA: NIOSH: TWA	1400 mg/m ³ ; 400 ppm
		USA: OSHA: TWA	1400 mg/m ³ ; 400 ppm
108-90-7	Chlorobenzene	Canada, Alberta: OEL 8 hour	46 mg/m ³ ; 10 ppm
		Canada, BC: OEL TWA	10 ppm
		Canada, Québec: VEMP	230 mg/m ³ ; 50 ppm
		USA: ACGIH: TWA	46 mg/m ³ ; 10 ppm (A3)
		USA: OSHA: TWA	350 mg/m ³ ; 75 ppm
101-68-8	4,4'-Methylenediphenyl diisocyanate	Canada, Alberta: OEL 8 hour	0.05 mg/m ³ ; 0.005 ppm
		Canada, BC: OEL Ceiling	0.01 ppm (May be absorbed through the skin.)
		Canada, BC: OEL TWA	0.005 ppm (May be absorbed through the skin.)
		Canada, Ontario: OEL Ceiling	0.02 ppm
		Canada, Ontario: OEL TWA	0.005 ppm
		Canada, Québec: VEMP	0.051 mg/m ³ ; 0.005 ppm
		NIOSH: Ceiling	0.2 mg/m ³ ; 0.02 ppm
		OSHA: Ceiling	0.2 mg/m ³ ; 0.02 ppm
		USA: ACGIH: TWA	0.005 ppm
		USA: NIOSH: TWA	0.05 mg/m ³ ; 0.005 ppm
		103-71-9	Phenyl isocyanate
Canada, BC: OEL TWA	0.005 ppm		
USA: ACGIH: STEL	0.015 ppm		
USA: ACGIH: TWA	0.005 ppm		

Biological limit values:

CAS No.	Designation	Type	Limit value	Parameter	Sampling
108-90-7	Chlorobenzene	USA: ACGIH-BEI, urine	100 mg/g creatinine	4-Chlorocatechol in urine	end of shift at end of workweek
		USA: ACGIH-BEI, urine	20 mg/g creatinine	p-Chlorophenol in urine	end of shift at end of workweek

Engineering controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment. This product is not to be used under conditions of poor ventilation. See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear suitable protective clothing.



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Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: Nitrile rubber, butyl caoutchouc (butyl rubber)

Layer thickness: > 0.5 mm

Breakthrough time: > 60 min

unsuitable gloves materials: polychloroprene, Chloroprene rubber, Polyvinyl chloride.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: Respiratory protection must be worn whenever the TLV (WEL) levels have been exceeded. When vapors form, use respiratory protection. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

General hygiene considerations:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Avoid breathing vapors. Do not get in eyes, on skin, or on clothing.

Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.

When using do not eat or drink.

Wash hands thoroughly after handling.

When handling large quantities, supply emergency spray.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Physical state at 20 °C and 101.3 kPa: liquid Color: varying
Odor:	aromatic
Odor threshold:	No data available
pH value:	not determined
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	approx. 77 °C
Flash point/flash point range:	-4 °C
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): Information about Ethyl acetate 2.20 Vol-% UEL (Upper Explosive Limit): Information about Ethyl acetate 11.50 Vol-%
Vapor pressure:	at 20 °C: approx. 97 hPa
Vapor density:	No data available
Density:	at 20 °C: approx. 1 g/mL
Solubility:	not determined
Water solubility:	not determined
Partition coefficient: n-octanol/water:	not determined
Auto-ignition temperature:	460 °C
Thermal decomposition:	No decomposition when used properly.
Viscosity, dynamic:	at 20 °C: approx. 3 mPa*s
Explosive properties:	Vapors may form explosive mixtures with air.
Ignition temperature:	not determined



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10. Stability and reactivity

- Reactivity: Highly flammable liquid and vapor.
Vapors may form explosive mixtures with air.
- Chemical stability: Stable under recommended storage conditions.
- Possibility of hazardous reactions
Heating will lead to pressure increase: Danger of bursting and explosion.
Violent reaction with acids, alkalis, amines and alcohols.
Polymerization may occur in case of strong heating.
Reacts with water: Formation of carbon dioxide.
- Conditions to avoid: Protect from moisture contamination. Keep away from sources of ignition - No smoking.
Keep away from heat sources, sparks and open flames.
Protect against direct sunlight.
- Incompatible materials: Acids, oxidizing agents, alkalis, amines, alcohols, water
- Hazardous decomposition products:
Toxic gases/vapours. Gas/vapor, highly flammable.
Hydrogen cyanide, carbon dioxide.
- Thermal decomposition: No decomposition when used properly.

11. Toxicological information

Toxicological tests

- Acute toxicity: LD50 Rat, oral: > 2500 mg/kg (OECD 423)
- Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.
- Acute toxicity (oral): Based on available data, the classification criteria are not met.
- Acute toxicity (dermal): Based on available data, the classification criteria are not met.
- ATEmix (calculated): > 5000 mg/kg.
- Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
- ATEmix (calculated): > 20 mg/L. (vapors)
- Skin corrosion/irritation: Skin Irritation 2 = Causes skin irritation.
- Specific symptoms in animal studies (Rabbit): irritant (OECD 404)
- Eye damage/irritation: Eye Irritation 2A = Causes serious eye irritation.
- Sensitisation to the respiratory tract: Respiratory Sensitizer 1 = May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Skin sensitisation: Sensitization - skin 1 = May cause an allergic skin reaction.
- Specific symptoms in animal studies (guinea pig): mild irritant (OECD 406)
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Lack of data.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Specific Target Organ Toxicity (Single Exposure) 3 = May cause drowsiness or dizziness.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.



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Other information: Information about Ethyl acetate:
LD50 Rat, oral: 5620 mg/kg/8h (OECD 401)
LD50, Rabbit, dermal: 18000 mg/L/24h (OECD 402)
LC 0, Rat, inhalative: > 22.5 mg/L/8h (58 FR 40262)
Information about Chlorobenzene:
LC 0, Rat, inhalative: approx. 13.9 mg/L/6h
For carcinogenic effects:
Information about 4,4'-Methylenediphenyl diisocyanate:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed

General remarks

Further hazardous properties cannot be excluded.

12. Ecological information

Ecotoxicity

Aquatic toxicity: Algae toxicity:
Desmodesmus subspicatus (green algae) (OECD 201): No noticeable toxic effect (saturated solution)
Daphnia toxicity:
Daphnia magna (Big water flea) (OECD 202): No noticeable toxic effect (saturated solution)
Fish toxicity:
Brachydanio rerio (zebra-fish) (OECD 203): No noticeable toxic effect (saturated solution)
Bacterial toxicity:
Bacteria in activated sludge (OECD 203): > 10000 mg/L

Further details: Biodegradation: 41.5 % / 28 d (OECD 301 F)
Product is not readily biodegradable.
Ecotoxicological tests carried out to determine the properties of the solvent free product.

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

AOX reference: The product contains organically bound halogen. Thus it may add to the AOX value.

Volatile organic compounds (VOC):
> 99 % by weight = 990 g/L

General information: Activated sludge respiration inhibition test:
EC50: >10000 mg/L

Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Non-contaminated packages may be recycled.
Handle empty containers with care. Incineration may cause explosion.

14. Transport information**USA: Department of Transportation (DOT)**

Identification number: UN1993
Proper shipping name: UN 1993, flammable liquids, n.o.s.
(Ethyl acetate, Chlorobenzene)
Hazard class or Division: 3
Packing Group: II
Labels: 3
Symbols: G
Special provisions: IB2, T7, TP1, TP8, TP28
Packaging – Exceptions: 150
Packaging – Non-bulk: 202
Packaging – Bulk: 242
Quantity limitations – Passenger aircraft / rail: 5 L
Quantity limitations – Cargo only: 60 L
Vessel stowage – Location: B

**Canada: Transportation of Dangerous Goods (TDG)**

UN Number: UN1993
Shipping name: UN 1993, Flammable liquid, n.o.s. (Ethyl acetate, Chlorobenzene)
TDG class: 3
Packing group: II
Special provisions: 16, 150
Explosive limit and limited quantity index: 1 L
Passenger carrying road or rail index: 5 L

Sea transport (IMDG)

UN number: UN 1993
Proper shipping name: UN 1993, FLAMMABLE LIQUID, N.O.S. (Ethyl acetate, Chlorobenzene)
Class or division, Subsidiary risk: Class 3, Subrisk-
Packing Group: II
EmS: F-E, S-E
Special provisions: 274
Limited quantities: 1 L
Excepted quantities: E2
Contaminated packaging - Instructions: P001
Contaminated packaging - Provisions: -
IBC - Instructions: IBC02
IBC - Provisions: -
Tank instructions - IMO: -
Tank instructions - UN: T7
Tank instructions - Provisions: TP1, TP8, TP28
Stowage and handling: Category B.
Properties and observations: -
Marine pollutant: no
Segregation group: none



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Air transport (IATA)

UN/ID number:	UN 1993
Proper shipping name:	UN 1993, FLAMMABLE LIQUID, N.O.S. (Ethyl acetate, Chlorobenzene)
Class or division, Subsidiary risk:	Class 3
Packing Group:	II
Hazard label:	Flamm. liquid
Excepted Quantity Code:	E2
Passenger and Cargo Aircraft: Ltd.Qty.:	Pack.Instr. Y341 - Max. Net Qty/Pkg. 1 L
Passenger and Cargo Aircraft:	Pack.Instr. 353 - Max. Net Qty/Pkg. 5 L
Cargo Aircraft only:	Pack.Instr. 364 - Max. Net Qty/Pkg. 60 L
Special provisions:	A3
Emergency Response Guide-Code (ERG):	3H

15. Regulatory information

National regulations - Canada

No data available



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National regulations - U.S. Federal Regulations

Ethyl acetate:	TSCA Inventory: listed; EPA flags T TSCA HPVC: not listed Other Environmental Laws: CERCLA: RQ 5000 lbs. RCRA Hazardous Wastes: Code U112 NIOSH Recommendations: Occupational Health Guideline: 0260
Triphenylmethane-4,4',4"-triisocyanate:	TSCA Inventory: listed TSCA HPVC: not listed
Chlorobenzene:	TSCA Inventory: listed; EPA flags T TSCA HPVC: not listed Clean Air Act: Hazardous Air Pollutants: Code XOV SOCMI Chemical: yes Clean Water Act: Hazardous Substances: RQ 100 lbs. Priority Pollutant: yes Other Environmental Laws: CERCLA: RQ 100 lbs. RCRA Hazardous Wastes: Code U037 RCRA Groundwater Monitoring: Methods 8010, 8020, 824 / PQL 2, 2, 5 SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard NIOSH Recommendations: Occupational Health Guideline: 0121
4,4'-Methylenediphenyl diisocyanate:	TSCA Inventory: listed TSCA HPVC: not listed Carcinogen Status: IARC Rating: Group 3 OSHA Carcinogen: not listed NTP Rating: not listed Clean Air Act: Hazardous Air Pollutants: Code XOV SOCMI Chemical: yes Other Environmental Laws: CERCLA: RQ 5000 lbs. SARA Title III Section 313, Toxic Release: Conc. 1.0% / Threshold Standard NIOSH Recommendations: Occupational Health Guideline: 0413
Phenyl isocyanate:	TSCA Inventory: listed TSCA HPVC: not listed TSCA: listed



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National regulations - U.S. State Regulations

Ethyl acetate:

Delaware Air Quality Management List:

DRQ: 5000 - RQ State: Federal Regulations Apply

Idaho Air Pollutant List:

Title 585: AAC: 70 - EL: 93,3 - OEL: 1400 - Title 586: -

Main Hazardous Air Pollutants:

Me 2005: HAP - Hap Rpt: 20000

Massachusetts Haz. Substance codes: 2,4,5,6 F8

Minnesota Haz. Substance:

Codes: AO - Ratings: 6.83 - Status: Title III.

New York List of Hazardous Substances:

RQ-Air: 5000 - RQ-Land: 1 - Note: No Note Associated with this chemical.

Pennsylvania Haz. Substance code: E

Washington Air Contaminant:

TWA: 400 ppm - 1400 mg

Chlorobenzene:

California Proposition 65 code: -

Delaware Air Quality Management List:

DRQ: 100 - RQ State: Federal Regulations Apply

Idaho Air Pollutant List:

Title 585: AAC: 17.5 - EL: 23.3 - OEL: 350 - Title 586: -

Maine Hazardous Air Pollutants:

Me 2005: HAP - Hap Rpt: 2000

Massachusetts Haz. Substance codes: 2,4,5,6 F7 F8 F9

Michigan Critical Material:

Note: - - CMR: 33 - Parameter: 00108-90-7 - Annual Usage Parameter: 100

Minnesota Haz. Substance:

Codes: AO - Ratings: 10.14 - Status: Air Pollutant Title III. TRI. Water Polluta

New Jersey RTK Hazardous Substance:

DOT: 1134 - Sub No.: 0376 - TPQ: -

New York List of Hazardous Substances:

RQ-Air: 100 - RQ-Land: 1 - Note: No Note Associated with this chemical.

Pennsylvania Haz. Substance code: E

Washington Air Contaminant:

TWA: 75 ppm - 350 mg

4,4'-Methylenediphenyl diisocyanate:

California Proposition 65 code: -

Delaware Air Quality Management List:

DRQ: 5000 - RQ State: Federal Regulations Apply

Idaho Air Pollutant List:

Title 585: -, Title 586: -

Main Hazardous Air Pollutants:

Me 2005: HAP - Hap Rpt: 200

Massachusetts Haz. Substance codes: 2,4 F8 F9

Minnesota Haz. Substance:

Codes: ANO - Ratings: 12.36 - Status: Air Pollutant

New York List of Hazardous Substances:

RQ-Air: 1 - RQ-Land: 1 - Note: No Note Associated with this chemical.

Pennsylvania Haz. Substance code: E

Washington Air Contaminant:

Ceiling: 0,02 ppm - 0,2 mg

16. Other information

Text for labeling:

Contains approx. 70 % Ethyl acetate, approx. 27 %

Triphenylmethane-4,4',4"-triisocyanate, < 2.5 % Chlorobenzene, < 0.1 %

4,4'-Methylenediphenyl diisocyanate, < 0.05 % Phenyl isocyanate. Safety data sheet available on request.



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Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 3 (Serious)

Reactivity: 1 (Slight)

HMIS Version III Rating:

Health: 2 (Moderate) - Chronic effects

Flammability: 3 (Serious)

Physical Hazard: 1 (Slight)

Personal Protection: X = Consult your supervisor

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		1
		X

Date of first version: 13/Jan/2017

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.