



Safety Data Sheet

Rust Preventive Coating - Semi-Gloss Black

1. Identification

Product identifier: Rust Preventive Coating - Semi-Gloss Black
245401, 245404, and 245408

Product code: P.O.R. Products

Supplier Name: 38, Portman Road
New Rochelle, NY
10801

Telephone: 914 636-0700

Emergency tel. number: 914 636-0700

Available hours: 8h-17h

Recommended use: As an anti-rust paint and coating
For industrial and automotive equipment

Restriction on use:

2. Hazard identification

Signal word: DANGER

Product classification:



Flammable liquids-Category 3.

Respiratory sensitization-Category 1. Carcinogenicity-Category 2. Specific target organ toxicity – repeated exposure-Category 2. Reproductive toxicity-Category 2.

Skin sensitization-Category 1. Skin irritation-Category 2. Serious eye irritation-Category 2A. Acute toxicity-inhalation-Category 4.

Hazard statement(s): Flammable liquid and vapour.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Suspected of causing cancer.
May cause damage to organs (lungs) through prolonged or repeated exposure.
Suspected of damaging fertility or the unborn child.
May cause an allergic skin reaction.
Causes skin irritation.
Causes serious eye irritation.
Harmful if inhaled.

Precautionary statement(s)

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. For large container, ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lightning equipment. Use non-sparking tools. Take action to prevent static discharges. Do not breathe mist, vapors and spray. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation,



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wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye and face protection. Wash hands thoroughly after handling and any other part of the body that may have been exposed to the product.

Response: In case of fire: Use an appropriate extinguisher. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or a doctor. Call a POISON CENTER ou doctor if you feel unwell. IF exposed or concerned: Get medical advice. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. If skin irritation or a rash occurs: Get medical advice. 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. Take off contaminated clothing and wash it before reuse.

Storage: Store in a well ventilated place. Keep cool. Store locked up.

Disposal: Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

Other hazards: No other effects shown.

See toxicological information, section 11

3. Composition/ Information on ingredients

No	CAS No	Common name and synonyms	Concentration % (w/w)
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	15.00 - 40.00
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	15.00 - 20.00
3	64742-48-9	Naphtha hydrotreated, heavy fraction	10.00 - 30.00
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	10.00 - 30.00
5	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	12.00
6	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	12.00
7	95-63-6	1,2,4-Trimethylbenzene	4.00
8	1333-86-4	Carbon black. (C.I. pigment black 7)	2.00
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	2.00
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	0.50
11	98-82-8	Cumene. 2-Propylbenzene	0.50

The actual concentration range is withheld as a trade secret.

4. First-aid measures

If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention as soon as possible.

Skin contact: Remove contaminated clothing immediately. Wash the skin with soap and water. Thoroughly wet contaminated clothing. If irritation persists, consult a doctor.

Inhalation: Move exposed person to fresh air. Keep this person warm and lying down. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.



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Symptoms: Red eyes, itching and tearing. Redness, flaking and cracking of the skin. The worker may develop cutaneous and respiratory hypersensitivity. Repeated exposures lead to the chronic form whose symptoms are dyspnea to exercise, cough with sputum, fatigue and weight loss. Inhalation of high concentrations may cause headache, nausea, vomiting, dizziness, incoordination, confusion, stupor, drowsiness and death.

Effects (acute or delayed): May cause eye irritation. May cause skin irritation. Following repeated or prolonged contact, it has a degreasing effect on the skin. This product is a respiratory and skin sensitizer. May cause respiratory sensitization. Irritation of the upper respiratory tract. May cause bronchoconstriction and pulmonary edema. Can cause major depression of the central nervous system.

Immediate medical attention and special treatment: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Jets of water can facilitate the spread of fire.

Specific hazards arising from the hazardous product: Flammable. Vapors may form explosive mixtures with air. The vapors are heavier than air and may travel to an ignition source.

Hazardous combustion products: Carbon monoxide and dioxide. Nitrogen oxides. Hydrocyanic acid.

Special protective equipment and precautions for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or if you do not have suitable training or protection. Evacuate surrounding areas. Do not touch or walk through spilled material. Shut off all heating and ignition sources. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Protective equipment and emergency procedures: Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Use inert absorbent or retention tubes in the event of a large spill.

Methods and materials for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Contain leaks and pick up with non-combustible absorbent materials such as sand, earth or vermiculite. Then, place in an appropriate waste disposal container according to local regulations. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container



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protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Incompatibility: Ammonia. Alcohols. Amines. Strong oxidizing agents and oxidizers. Strong acids and bases.

8. Exposure Controls/ Personal protection

Alberta

No	CAS No	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	N/A	N/A	N/A	N/A	N/A	N/A
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	N/A	N/A	N/A	N/A	N/A	N/A
3	64742-48-9	Naphtha hydrotreated, heavy fraction	N/A	N/A	N/A	N/A	N/A	N/A
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	N/A	N/A	N/A	N/A	N/A	N/A
5	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
6	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	0.005	0.05	N/A	N/A	N/A	N/A
7	95-63-6	1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A
8	1333-86-4	Carbon black. (C.I. pigment black 7)	N/A	3.5	N/A	N/A	N/A	N/A
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	100	434	150	651	N/A	N/A
11	98-82-8	Cumene. 2-Propylbenzene	50	246	N/A	N/A	N/A	N/A



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British-Columbia

No	CAS No	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	N/A	N/A	N/A	N/A	N/A	N/A
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	N/A	N/A	N/A	N/A	N/A	N/A
3	64742-48-9	Naphtha hydrotreated, heavy fraction	N/A	N/A	N/A	N/A	N/A	N/A
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	N/A	N/A	N/A	N/A	N/A	N/A
5	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
6	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	0.005	N/A	N/A	N/A	0.01	N/A
7	95-63-6	1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A
8	1333-86-4	Carbon black. (C.I. pigment black 7)	N/A	3	N/A	N/A	N/A	N/A
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	100	N/A	150	N/A	N/A	N/A
11	98-82-8	Cumene. 2-Propylbenzene	25	N/A	75	N/A	N/A	N/A

Ontario

No	CAS No	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	N/A	N/A	N/A	N/A	N/A	N/A
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	N/A	N/A	N/A	N/A	N/A	N/A
3	64742-48-9	Naphtha hydrotreated, heavy fraction	N/A	N/A	N/A	N/A	N/A	N/A
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	N/A	N/A	N/A	N/A	N/A	N/A
5	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
6	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	0.005	N/A	N/A	N/A	0.02	N/A
7	95-63-6	1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A
8	1333-86-4	Carbon black. (C.I. pigment black 7)	N/A	N/A	N/A	N/A	N/A	N/A
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	N/A	N/A	N/A	N/A	N/A	N/A
11	98-82-8	Cumene. 2-Propylbenzene	N/A	N/A	N/A	N/A	N/A	N/A



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Quebec

No	CAS No	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	N/A	N/A	N/A	N/A	N/A	N/A
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	N/A	N/A	N/A	N/A	N/A	N/A
3	64742-48-9	Naphtha hydrotreated, heavy fraction	N/A	N/A	N/A	N/A	N/A	N/A
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	N/A	N/A	N/A	N/A	N/A	N/A
5	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
6	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	0.005	0.051	N/A	N/A	N/A	N/A
7	95-63-6	1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A
8	1333-86-4	Carbon black. (C.I. pigment black 7)	N/A	3.5	N/A	N/A	N/A	N/A
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	100	434	150	651	N/A	N/A
11	98-82-8	Cumene. 2-Propylbenzene	50	246	N/A	N/A	N/A	N/A

Saskatchewan

No	CAS No	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	N/A	N/A	N/A	N/A	N/A	N/A
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	N/A	N/A	N/A	N/A	N/A	N/A
3	64742-48-9	Naphtha hydrotreated, heavy fraction	N/A	N/A	N/A	N/A	N/A	N/A
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	N/A	N/A	N/A	N/A	N/A	N/A
5	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
6	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	0.005	N/A	0.015	0.015	N/A	N/A
7	95-63-6	1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A
8	1333-86-4	Carbon black. (C.I. pigment black 7)	N/A	3.5	N/A	7	N/A	N/A
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	100	N/A	150	N/A	N/A	N/A
11	98-82-8	Cumene. 2-Propylbenzene	50	N/A	74	N/A	N/A	N/A



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United States

No	CAS No	Common name and synonyms	IDLH NIOSH	Regulatory Limits			Recommended Limits	
				OSHA PEL		California / OSHA PEL	NIOSH REL	ACGIH ® 2019 TLV ®
				ppm	mg/m ³	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	N/A	N/A	N/A	N/A	N/A	N/A
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	N/A	N/A	N/A	N/A	N/A	N/A
3	64742-48-9	Naphtha hydrotreated, heavy fraction	N/A	N/A	N/A	N/A	N/A	N/A
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	N/A	N/A	N/A	N/A	N/A	N/A
5	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
6	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	75	(C) 0.02	(C) 0.2	0.005 ppm	0.05 mg/m ³ (C) 0.2 mg/m ³ [10-min]	0.005 ppm
7	95-63-6	1,2,4-Trimethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A
8	1333-86-4	Carbon black. (C.I. pigment black 7)	1750	N/A	3.5	3.5 mg/m ³	3.5 mg/m ³ (without PAHs); when PAHs are present, NIOSH considers carbon black to be a potential occupational carcinogen.	3 mg/m ³ (IHL)
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	N/A	N/A	N/A	N/A	N/A	N/A
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	900	100	435	100 ppm (ST) 150 ppm (C) 300 ppm	100 ppm (ST) 150 ppm	100 ppm (ST) 150 ppm
11	98-82-8	Cumene. 2-Propylbenzene	4424	50	245	50 ppm	50 ppm	50 ppm

IDHL: Immediately Dangerous to Life or Health Concentrations

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limits

California / OSHA: California Division of Occupational Safety and Health

REL: Recommended Exposure Limits

ACGIH ®: American Conference of Governmental Industrial Hygienists

TLV ®: Threshold Limit Values

Appropriate engineering controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.



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Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eyes: DO NOT WEAR CONTACT LENSES Wear anti-splash safety goggles.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

Respiratory: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Others: Wear protective clothing with long sleeves and appropriate safety shoes at all times.

9. Physical and chemical properties

Physical state: Liquid

Colour: Semi-gloss black

Odour: Solvent

Odour threshold: Not available

pH: Not applicable

Melting/Freezing point: < 0 °C (32 °F)

Initial boiling point/boiling range: > 100 °C (212 °F)

Flash point: 48,9 °C (120.02 °F) Closed cup

Flammability, in the case of solids and gases:

Lower flammable/explosive limit: 0,6 at 25 °C

Upper flammable/explosive limit: 7,0 % at 25 °C

Auto-ignition temperature: 349 °C (660.2 °F)

Evaporation rate: Not available

Vapour pressure: Not available

Vapour density: > 1 (air = 1)

Relative density: 1,108 kg/L at 20 °C (water = 1)

Solubility in water: Insoluble

Partition coefficient – n-octanol/water: Not available

Decomposition temperature: Not available

Kinematic viscosity: > 20,5 mm²/s (at 40 °C)



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10. Stability and reactivity

Reactivity: Stable under recommended conditions of storage and handling.

Chemical stability: The product is chemically stable under normal conditions of use.

Possibility of hazardous reactions: Danger of explosion when heated. No dangerous or polymerization reactions will occur under normal conditions of use.

Conditions to avoid: Avoid electrical discharge. Keep away from sources of ignition, open flames and sparks, Keep away from incompatible products.

Incompatible materials: This product can attack certain types of plastic, rubber or coatings.

Hazardous decomposition products: Carbon monoxide and dioxide. Nitrogen oxides. Hydrocyanic acid.

11. Toxicological information

	Oral	Dermal	Inhalation gases	Inhalation vapours	Inhalation dusts/mists
ATE _{mix}	> 5 000 mg/kg	18677.04 mg/kg	N/A	60.06 mg/l	2.04 mg/l

No	CAS No	Common name and synonyms	LD ₅₀ oral mg/kg	LD ₅₀ skin mg/kg	LC ₅₀ inhalation ppmV 4h - gases	LC ₅₀ inhalation mg/l 4h - vapours	LC ₅₀ inhalation mg/l 4h - dusts-mist
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	> 5000	> 5000	N/A	> 20.00	> 5.00
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	> 5000	> 5000	N/A	> 20.00	> 5.00
3	64742-48-9	Naphtha hydrotreated, heavy fraction	> 5000	> 3200	N/A	> 20.00	8.50
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	8400	> 5000	N/A	> 20.00	> 5.00
5	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	31600	> 10000	N/A	N/A	0.368
6	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	31600	> 10000	N/A	11.00	1.01
7	95-63-6	1,2,4-Trimethylbenzene	> 5000	> 5000	N/A	10.2	1.5
8	1333-86-4	Carbon black. (C.I. pigment black 7)	> 8000	> 3000	N/A	N/A	> 5.00
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	31600	> 10000	N/A	11.00	1.01
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	3523	4325	N/A	21.71	> 5.00
11	98-82-8	Cumene. 2-Propylbenzene	2260	3160	N/A	39.33	> 7.50

Routes of exposure: This product is absorbed through the respiratory tract, skin and gastrointestinal tract.

Symptoms: Red eyes, itching and tearing. Redness, flaking and cracking of the skin. The worker may develop cutaneous and respiratory hypersensitivity. Repeated exposures lead to the chronic form whose symptoms are dyspnea to exercise, cough with sputum, fatigue and weight loss. Inhalation of high concentrations may cause headache, nausea, vomiting, dizziness, incoordination, confusion, stupor, drowsiness and death.



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Delayed and immediate effects: May cause eye irritation. May cause skin irritation. Following repeated or prolonged contact, it has a degreasing effect on the skin. This product is a respiratory and skin sensitizer. May cause respiratory sensitization. Irritation of the upper respiratory tract. May cause bronchoconstriction and pulmonary edema. Can cause major depression of the central nervous system.

No	CAS No	Common name and synonyms	IARC	ACGIH	Mutagenicity	Effect on reproduction
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	N/A	N/A	N.A.	N.A.
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	N/A	N/A	N.A.	N.A.
3	64742-48-9	Naphtha hydrotreated, heavy fraction	N/A	N/A	No effects shown.	No effects shown.
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	N/A	N/A	No effects shown.	No effects shown.
5	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	3	A4	The data do not allow for an adequate assessment of mutagenic effects.	The data do not allow for an adequate evaluation of the effects on development.
6	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	2B	A3	No effects shown.	N.A.
7	95-63-6	1,2,4-Trimethylbenzene	4	A5	No effects shown.	N.A.
8	1333-86-4	Carbon black. (C.I. pigment black 7)	2B	A3	Mutagenic effects shown in animals or suspected in humans.	N.A.
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	2B	A3	No effects shown.	N.A.
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	3	A4	The data do not allow for an adequate assessment of mutagenic effects.	It has an embryotoxic and / or fetotoxic in animals. It can cause sperm damage in animals.
11	98-82-8	Cumene. 2-Propylbenzene	2B	A3	N.A.	N.A.

Cancer classification under IARC (International Agency for Research on Cancer)

- Group 1: carcinogenic to humans.
- Group 2A: probably carcinogenic to humans.
- Group 2B: possibly carcinogenic to humans.
- Group 3: not classifiable as to its carcinogenicity to humans.
- Group 4: probably not carcinogenic to humans.

Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

- Group A1: confirmed human carcinogen.
- Group A2: suspected human carcinogen.
- Group A3: confirmed animal carcinogen with unknown relevance to humans.
- Group A4: not classifiable as a human carcinogen.
- Group A5: not suspected as a human carcinogen.



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12. Ecological information

Ecotoxicity

No	CAS No	Common name and synonyms	%	Aquatic Ecotoxicity short term	Aquatic Ecotoxicity long term	Terrestrial Ecotoxicity
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	15.00 - 40.00	Not available.	Toxic to aquatic life with long lasting effects.	No known adverse effect to the environment.
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	15.00 - 20.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
3	64742-48-9	Naphtha hydrotreated, heavy fraction	10.00 - 30.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	10.00 - 30.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
5	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	12.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
6	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	12.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
7	95-63-6	1,2,4-Trimethylbenzene	4.00	Not available.	Very toxic to aquatic life with long lasting effects.	No known adverse effect to the environment.
8	1333-86-4	Carbon black. (C.I. pigment black 7)	2.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	2.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	0.50	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.
11	98-82-8	Cumene. 2-Propylbenzene	0.50	Not available.	Toxic to aquatic life with long lasting effects.	No known adverse effect to the environment.



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Persistence and degradability. Bioaccumulative potential. Other adverse effects

No	CAS No	Common name and synonyms	%	Persistent	Bio-accumulation	Aquatic ecotoxicity
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	15.00 - 40.00	Yes	Yes	No
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	15.00 - 20.00	Yes	No	No
3	64742-48-9	Naphtha hydrotreated, heavy fraction	10.00 - 30.00	Yes	Yes	Yes
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	10.00 - 30.00	No	No	No
5	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	12.00	No	No	No
6	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	12.00	No	No	No
7	95-63-6	1,2,4-Trimethylbenzene	4.00	No	No	No
8	1333-86-4	Carbon black. (C.I. pigment black 7)	2.00	Yes	No	No
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	2.00	No	No	No
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	0.50	No	No	No
11	98-82-8	Cumene. 2-Propylbenzene	0.50	No	No	No

Degradability: N/A

Mobility in soil: N/A

13. Disposal considerations

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14. Transport information

	TDG	DOT	IMDG	IATA
UN Number	1992	1992	1992	1992
Proper shipping name	FLAMMABLE LIQUID, TOXIC, N.O.S. (Naphtha, 2,2'-Dipheylmethane diisocyanate)	FLAMMABLE LIQUID, TOXIC, N.O.S. (Naphtha, 2,2'-Dipheylmethane diisocyanate)	FLAMMABLE LIQUID, TOXIC, N.O.S. (Naphtha, 2,2'-Dipheylmethane diisocyanate)	FLAMMABLE LIQUID, TOXIC, N.O.S. (Naphtha, 2,2'-Dipheylmethane diisocyanate)
Transport hazard class(es)	3(6.1)	3(6.1)	3(6.1)	3(6.1)
Packing group	III	III	III	III



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United States - Reportable Quantities (RQ)

No	CAS No	Common name and synonyms	RQ lbs (kg)
1	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	5000 (2270)
2	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	1000 (454)
3	98-82-8	Cumene. 2-Propylbenzene	5000 (2270)

Transport in bulk (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78), and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)): N/A

Marine pollutant: No

Exemption for limited quantity: 5 L

In accordance with the Canadian Transport of Dangerous Goods regulations by Road, we use the 1.17 exemption when applicable. In accordance with 49 CFR article 172.315 for transportation by a mode other than air, we use the Limited quantities exemption when applicable.

Special precautions: Not applicable

Other exemptions: No other exemption.

15. Regulatory information

Canada

No	CAS No	Common name and synonyms	%	DSL	NDSL	NPRI
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	15.00 - 40.00	X		
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	15.00 - 20.00	X		
3	64742-48-9	Naphtha hydrotreated, heavy fraction	10.00 - 30.00	X		X
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	10.00 - 30.00	X		X
5	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	12.00	X		X
6	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	12.00	X		
7	95-63-6	1,2,4-Trimethylbenzene	4.00	X		X
8	1333-86-4	Carbon black. (C.I. pigment black 7)	2.00	X		
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	2.00	X		
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	0.50	X		X
11	98-82-8	Cumene. 2-Propylbenzene	0.50	X		X



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United States

No	CAS No	Common name and synonyms	%	TSCA	PROP-65	RTK
1	99784-49-3	1,2-Propanediol, polymer with 1,1'-methylenebis[isocyanatobenzene] and methyloxirane	15.00 - 40.00	X		
2	52747-01-0	4,4'-methylenediphenyl diisocyanate, oligomer with [(methylethylene)bis(oxy)] dipropanol	15.00 - 20.00	X		
3	64742-48-9	Naphtha hydrotreated, heavy fraction	10.00 - 30.00	X		
4	64742-95-6	Naphtha, light aromatic fraction C8-C10	10.00 - 30.00	X		
5	101-68-8	4,4'-Diphenylmethane diisocyanate monomer. MDI monomer	12.00	X		X
6	5873-54-1	2,4'-Dipheylmethane diisocyanate. MDI polymeric	12.00	X		
7	95-63-6	1,2,4-Trimethylbenzene	4.00	X		X
8	1333-86-4	Carbon black. (C.I. pigment black 7)	2.00	X	X	X
9	26447-40-5	4,4'-Dipheylmethane diisocyanate. MDI polymeric	2.00	X		
10	1330-20-7	Xylenes, mix isomers o,m,p, and ethyl benzene. Dimethylbenzene, mix isomers o,m,p, and ethyl benzene	0.50	X		X
11	98-82-8	Cumene. 2-Propylbenzene	0.50	X	X	X

The customer is responsible for determining the PPE (personal protection equipment) code for this material.

The classification of the product and the SDS were developed in accordance with HPR and HazCom 2012.

16. Other information

Date: 2020-10-05

Version: 2

Notice to reader: The manufacturer hereby declares that the information disclosed herein have been based on governmental sites and/or raw material supplier's. The manufacturer has no control over the nature and content of such information. The manufacturer fully reproduces all the information it holds on the constituent of the product, at the time it is manufactured. The manufacturer does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. By this data sheet, the manufacturer hereby discloses all the potential dangers it has knowledge of and which might be related to the using or manipulation of the product in order to allow the proper care to be brought and use with regard to the product. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist and notification is hereby given to the user. Notice is hereby given that injury can derive therefrom if the foregoing is not respected. The manufacturer assumes no responsibility for personal and/or material damage, lost or injury of whichever nature caused or which may occur following the wrongful, inappropriate, negligent or abusive use or handling of the product or from not having read the herein contained information.