



Safety Data Sheet

Section 1 - Chemical Product and Company Information

Product Name: Poly PCF-45 Part B

Product Code: PCF-45 B

Trade Name: PCF-45 Part B

Manufactured by:

Smith Paint Products
2200 Paxton Street
Harrisburg, PA 17111
(800) 466-8781

Chemtrec
2900 Fairview Park Drive
Falls Church, VA 22042-4513
(800) 262-8200

Emergency Hot Line:

(800) 424-9300

Section 2 - Hazards Identification

GHS Ratings:

Inhalation Toxicity	1	Gases<=100ppm, Vapors<=0.5mg/l, Dusts & mists<=0.05mg/L
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Respiratory sensitizer	1	Respiratory sensitizer
Skin sensitizer	1	Skin sensitizer
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm ² /s at 40°C

GHS Hazards

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H330	Fatal if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H351	Suspected of causing cancer

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust / fume / gas / mist / vapors / spray
P264	Wash hand thoroughly after handling
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P285	In case of inadequate ventilation wear respiratory protection
P321	Specific treatment (see supplemental first aid instruction on this label)
P331	Do NOT induce vomiting

P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	If exposed or concerned: Get medical attention/advice.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists, get medical advice/attention.
P342+P311	Call a POISON CENTER or doctor/physician
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Signal Word: Danger



Section 3 - Composition/Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
4,4'-Diphenylmethane Diisocyanate (MDI)	101-68-8	30.00% - 40.00%
diphenylmethane diisocyanate, isomeres and homologues	9016-87-9	30.00% - 40.00%
Solvent Naptha Heavy Aromatic	64742-94-5	20.00% - 30.00%
Diphenylmethane Diisocyanate (MDI) Mixed Isomers	26447-40-5	5.00% - 10.00%
Naphthalene	91-20-3	1.00% - 5.00%

Section 4 - First Aid Measures

INHALATION - Remove the victim into fresh air.

EYE CONTACT - Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist. Do not apply neutralizing agents.

SKIN CONTACT - Wash immediately with lots of water (15 minutes)/shower. Soap may be used. Do not apply (chemical) neutralizing agents. Remove clothing before washing.

INGESTION - Rinse mouth with water. Do not induce vomiting. Ingestion of large quantities: Seek Immediate medical attention, go to hospital. Call Poison Control.

Section 5 - Fire Fighting Measures

Flash Point: N/A

LEL: 1.00

UEL:

Flammable Limits:

Suitable extinguishing media: Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher. Quick-acting class B foam extinguisher. Quick-acting CO2 extinguisher. Class B foam (not alcohol-resistant)

Unsuitable extinguishing media: Water (quick-acting extinguisher, reel); risk of puddle expansion.

Fire hazard: *DIRECT FIRE HAZARD:* Material presenting a fire hazard. *INDIRECT FIRE HAZARD:* Temperature above flash point: higher fire/explosion hazard.

Firefighting instructions: Cool tanks/drums with water spray/remove them into safety. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

Protection during firefighting: Heat/fire exposure: compressed air/oxygen apparatus.

Section 6 - Accidental Release Measures

Protective equipment: Gloves. Face-shield. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus.

Emergency procedures: Mark the danger area. No naked flames. Wash contaminated clothes.

Environmental precautions: Prevent soil and water pollution. Prevent spreading in sewers.

Methods and material for containment and cleaning up: Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Take up liquid spill into absorbent material, e.g.: sand/earth. Absorbed substance: shovel into drums. Carefully collect the spill/leftovers. Wash clothing and equipment after handling.

Section 7 - Handling and Storage

Precautions for safe handling : Use earthed equipment. Keep away from naked flames/heat. At temperature > flash point: use spark-/explosion-proof appliances. In finely divided state: use spark-/explosion-proof appliances. Finely divided: keep away from ignition sources/sparks. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Do not discharge the waste into the drain. Keep container tightly closed.

Hygiene measures : Avoid prolonged and repeated contact with skin.

Heat-ignition : KEEP SUBSTANCE AWAY FROM: heat sources.

Information on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. halogens. Storage area : Store in a cool area. Ventilation at floor level. Provide for a tub to collect spills. Provide the tank with earthing. Meet the legal requirements.

Special rules on packaging : SPECIAL REQUIREMENTS: closing. correctly labeled. meet the legal requirements. Secure fragile packagings in solid containers.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
4,4'-Diphenylmethane Diisocyanate (MDI) 101-68-8	Not Established	0.005 ppm TWA (listed under Methylene bisphenyl isocyanate (MDI))	NIOSH: 0.005 ppm TWA (listed under Methylene bisphenyl isocyanate); 0.05 mg/m ³ TWA 0.020 ppm Ceiling (10 min); 0.2 mg/m ³ Ceiling (10 min)
diphenylmethane diisocyanate, isomeres and homologues 9016-87-9	Not Established	Not Established	Not Established
Solvent Naptha Heavy Aromatic 64742-94-5	Not Established	Not Established	Not Established
Diphenylmethane Diisocyanate (MDI) Mixed Isomers 26447-40-5	Not Established	Not Established	Not Established
Naphthalene 91-20-3	10 ppm TWA; 50 mg/m ³ TWA	10 ppm TWA	NIOSH: 10 ppm TWA; 50 mg/m ³ TWA 15 ppm STEL; 75 mg/m ³ STEL

Materials for protective clothing : GIVE GOOD RESISTANCE: PVA. viton. GIVE LESS RESISTANCE: nitrile rubber. GIVE POOR RESISTANCE: butyl rubber. natural rubber. neoprene. polyethylene.

Hand protection : Gloves.

Eye protection : Face shield.

Skin and body protection : Protective clothing.

Respiratory protection : Respiratory protection of the dependent type. High gas/vapor concentration: full face mask.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstance:

Appearance: Brown Lb/Gal: 9.37 % Weight Solids: 72.92 %VOC: 27.08 Flash Point: 999°F,999°C	Odor: Aromatic Specific Gravity (SG): 1.123 % Volume Solids: 66.03 g/L VOC: 304.06
---	---

Section 10 - Stability and Reactivity

Stability: Stable under normal conditions.

STABLE

Incompatible materials :

No Data Available

Hazardous decomposition products

No Data Available

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Inhalation Toxicity LC50: 0mg/L

Component Toxicity

101-68-8	4,4'-Diphenylmethane Diisocyanate (MDI) Inhalation LC50: 369 mg/m3 (Rat)
9016-87-9	diphenylmethane diisocyanate, isomeres and homologues Oral LD50: 49 g/kg (Rat) Dermal LD50: 9 g/kg (Rabbit) Inhalation LC50: 490 mg/m3 (Rat)
64742-94-5	Solvent Naptha Heavy Aromatic Oral LD50: 5,000 mg/kg (Rat) Dermal LD50: 2,000 mg/kg (Rabbit) Inhalation LC50: 590 mg/m3 (Rat)
26447-40-5	Diphenylmethane Diisocyanate (MDI) Mixed Isomers Inhalation LC50: 490 mg/m3 (Rat)
91-20-3	Naphthalene Oral LD50: 1,110 mg/kg (Rat) Dermal LD50: 1,120 mg/kg (Rabbit) Inhalation LC50: 0 mg/L (Rat)

Primary routes of entry: Inhalation, Skin contact.

Carcinogenicity : Suspected of causing cancer

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
91-20-3	Naphthalene	1% - 5%	Naphthalene: IARC: Possible human carcinogen OSHA: listed

Section 12 - Ecological Information

Ecology - general : Dangerous for the environment.

Ecology - water : Very toxic to aquatic organisms. Toxic to fishes. Water pollutant (surface water). Toxic to algae.

Component Ecotoxicity

Solvent Naptha Heavy Aromatic	LC50 96 h Pimephales promelas 19 mg/L (IUCLID); LC50 96 h Oncorhynchus mykiss 2.34 mg/L (IUCLID); LC50 96 h Lepomis macrochirus 1740 mg/L (IUCLID) ; LC50 96 h Pimephales promelas 45 mg/L (IUCLID); LC50 96 h Pimephales promelas 41 mg/L (IUCLID) EC50 48 h Daphnia magna 0.95 mg/L (IUCLID)
Diphenylmethane Diisocyanate (MDI) Mixed Isomers	Toxicity to daphnia and other aquatic invertebrates : EC50 - Daphnia magna (Water Flea) - 0.35 mg/l - 24h
Naphthalene	LC50 96 h Pimephales promelas 5.74 - 6.44 mg/L (EPA); LC50 96 h Oncorhynchus mykiss 1.6 mg/L (EPA); LC50 96 h Oncorhynchus mykiss 0.91 - 2.82 mg/L (EPA); LC50 96 h Pimephales promelas 1.99 mg/L (IUCLID); LC50 96 h Lepomis macrochirus 31.0265 mg/L (EPA) LC50 48 h Daphnia magna 2.16 mg/L (IUCLID); EC50 48 h Daphnia magna 1.96 mg/L [Flow through] (EPA); EC50 48 h Daphnia magna 1.09 - 3.4 mg/L [Static] (EPA)

Section 13 - Disposal Considerations

Product/Packaging disposal recommendations: Remove waste in accordance with local and/or national regulations.

Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle by distillation. Remove to an authorized waste incinerator for solvents with energy recovery

Additional information : Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

Section 14 - Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Petroleum Distillates, N.O.S. (Naphthalene) Combustible Liquid	1268	III	
IATA	Environmentally Hazardous Substances, Liquid, N.O.S. (Naphthalene)	3082	III	9
IMDG	Environmentally Hazardous Substances, Liquid, N.O.S. (Naphthalene)	3082	III	9
TDG	Not Regulated for Land Transport			

Section 15 - Regulatory Information

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin: - None
R2K List - None

The state of California Safe Drinking Water and Toxic Enforcement Act of 1986 "Proposition 65" Warning, this product can expose you to chemicals which are known to the state of California to cause cancer. For more information go to www.p65warnings.ca.gov.

No Data Available

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

91-20-3 Naphthalene Carcinogen

R2K List

101-68-8 4,4'-Diphenylmethane Diisocyanate (MDI)

26447-40-5 Diphenylmethane Diisocyanate (MDI) Mixed Isomers

91-20-3 Naphthalene

Country

Regulation

All Components Listed

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:

No Data Available

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.

Section 16 - Other Information

The material contained in this Safety Data Sheet is based on information supplied to Smith Paint Products by the raw material suppliers of the individual components of this product. Smith Paint Products believes this information is truthful and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and health and safety of your employees and users of this material. As more information becomes available from our vendors additional revisions will be forthcoming.

Date Prepared: 6/28/2023

Replaces: 4/24/2020