POR-15 WHITE HIGH SOLIDS

SECTION 1: Identification

Product identifier

Product name: POR-15 WHITE HIGH SOLIDS
Product code: 45504HS, 45505HS, 45555HS

Recommended use of the product and restriction on use

Relevant identified uses: Not determined or not applicable.
Uses advised against: Not determined or not applicable.
Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:	**Supplier:**
United States	**United States**
P.O.R. Products	P.O.R. Products
38 Portman Road	38 Portman Road
New Rochelle, NY 10801	New Rochelle, NY 10801
914-636-0700	914-636-0700

Emergency telephone number:

United States
ChemTel Inc.
+1 800 255 3924
+1 813 248 0585

SECTION 2: Hazard(s) identification

GHS classification:

Flammable liquids, category 3
Eye irritation, category 2A
Skin sensitization, category 1
Skin irritation, category 2
Respiratory sensitization, category 1
Specific target organ toxicity - repeated exposure, category 1

Label elements

Hazard pictograms:

Signal word: Danger

Hazard statements:

H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.
H315+H320 Causes skin and eye irritation.
H317 May cause an allergic skin reaction.
H315 Causes skin irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H372 Causes damage to organs (state all organs affected, if known) through prolonged or repeated exposure. (state route of exposure if it is conclusively proven that no other routes of exposure cause the

hazard)

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/…/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P264 Wash … thoroughly after handling.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P284 Wear respiratory protection.
P285 In case of inadequate ventilation wear respiratory protection.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P270 Do not eat, drink or smoke when using this product.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire: Use … for extinction.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists get medical advice/attention
P321 Specific treatment (see … on this label).
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P362+P364 Take off contaminated clothing and wash it before reuse.
P362 Take off contaminated clothing and wash before reuse
P332+P313 If skin irritation occurs: Get medical advice/attention
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P314 Get medical advice/attention if you feel unwell
P403+P235 Store in a well ventilated place. Keep cool.
P501 Dispose of contents/container to …

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 1330-20-7	Xylene	4.04-7.09
CAS number: 100-41-4	Ethyl Benzene	0.42-1.44
CAS number: 52747-01-0	Propanol, ((1-methyl-1,2-ethanediyl)bis(oxy))bis-, polymer with 1,1'-methylenebis(4-isocyanatobenzene)	9-20
CAS number: 108-65-6	1-Methoxy-2-propanol acetate	0.02-0.05

POR-15 WHITE HIGH SOLIDS

CAS number: 123-86-4	n-Butyl acetate	0.02-0.05
CAS number: 13463-67-7	Titanium Dioxide	20-30
CAS number: 9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	2.5-6
CAS number: 26447-40-5	Methylenediphenyl diisocyanate	2-8
CAS number: 101-68-8	4,4'-Methylenediphenyl diisocyanate	6.05-14.6
CAS number: 67815-87-6	Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol	30-60

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

After skin contact:

Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention
Take off all contaminated clothing
Gently blot or brush away excess product
Wash with plenty of lukewarm, gently flowing water
Get medical advice if skin irritation occurs or you feel unwell

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes
If symptoms develop or persist, seek medical attention
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open
Remove contact lenses, if present and easy to do so
Continue rinsing for 15-20 minutes
Get medical advice if eye irritation persists

After swallowing:

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:
Not determined or not applicable.

Notes for the doctor:
Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:
Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam

Unsuitable extinguishing media:
Do not use a water stream as an extinguisher

Specific hazards during fire-fighting:
Thermal decomposition can lead to release of irritating gases and vapors
Vapors can flow to distant ignition sources and flashback
Liquid is volatile and may generate an explosive atmosphere

Special protective equipment for firefighters:
Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:
Shut off sources of ignition
Carbon monoxide and carbon dioxide may form upon combustion
Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:
Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing
Beware of vapors accumulating to form explosive concentrations
Vapors can accumulate in low areas

Environmental precautions:
Should not be released into the environment
Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:
Wear protective eye wear, gloves and clothing
Use spark-proof tools and explosion-proof equipment
Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)
Dispose of contents / container in accordance with local regulations

Reference to other sections:
Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:
Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.
Take precautionary measures against electrostatic discharges.

Use only non-sparking tools.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.
Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	4,4'-Methylenediphenyl diisocyanate	101-68-8	ACGIH TLV TWA: 0.0050 ppm
	Xylene	1330-20-7	ACGIH TWA: 100.0 ppm
	Titanium Dioxide	13463-67-7	ACGIH TLV TWA: 10 mg/m³
	Xylene	1330-20-7	ACGIH STEL: 150.0 ppm
	Ethyl Benzene	100-41-4	ACGIH TWA: 20.0 ppm
	Ethyl Benzene	100-41-4	ACGIH STEL: 125.0 ppm
	n-Butyl acetate	123-86-4	ACGIH TWA: 150 ppm
	n-Butyl acetate	123-86-4	ACGIH STEL: 200 ppm
United States (OSHA)	Titanium Dioxide	13463-67-7	OSHA PEL TWA 15 mg/m³ (Total dust)
	4,4'-Methylenediphenyl diisocyanate	101-68-8	OSHA C 0.02 ppm, 0.2 mg/m³
	Xylene	1330-20-7	STEL: 655 mg/m³ (150 ppm)
	Ethyl Benzene	100-41-4	OSHA PEL (STEL): 125.0 ppm
	Ethyl Benzene	100-41-4	OSHA TWA 100 ppm 435 mg/m³
	Xylene	1330-20-7	OSHA TWA: 435.0 mg/m³ (100.0 ppm)
	n-Butyl acetate	123-86-4	OSHA PEL TWA 150.0 ppm (710.0 mg/m³)
WEEL	1-Methoxy-2-propanol acetate	108-65-6	WEEL TWA 50.0 ppm
NIOSH	Titanium Dioxide	13463-67-7	IDLH: 5,000 mg/m³
	4,4'-Methylenediphenyl diisocyanate	101-68-8	NIOSH REL TWA 0.0050 ppm, 0.05 mg/m³
	4,4'-Methylenediphenyl diisocyanate	101-68-8	NIOSH REL C 0.2 ppm, 0.2 mg/m³
	Ethyl Benzene	100-41-4	NIOSH TWA 100.0 ppm 435.0 mg/m³
	Ethyl Benzene	100-41-4	NIOSH ST 125.0 ppm 545.0 mg/m³
	Xylene	1330-20-7	REL TWA: 435.0 mg/m³ (100.0 ppm)
	Xylene	1330-20-7	REL ST: 655 mg/m³ (150 ppm)
	n-Butyl acetate	123-86-4	NIOSH TWA 150.0 ppm (710 mg/m³)
	n-Butyl acetate	123-86-4	NIOSH ST 200.0 ppm (950.0 mg/m³)

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.
Use explosion-proof ventilation equipment.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Not determined or not available.
Odor	Not determined or not available.
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.

Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:
Does not react under normal conditions of use and storage.

Chemical stability:
Stable under normal conditions of use and storage.

Possibility of hazardous reactions:
None under normal conditions of use and storage.

Conditions to avoid:
None known.

Incompatible materials:
None known.

Hazardous decomposition products:
None known.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Methylenediphenyl diisocyanate	inhalation	LC50 - Rat - 369 mg/cu m/4 h
4,4'-Methylenediphenyl diisocyanate	inhalation	LC50 - Rat - 369 mg/cu m/4 h
Isocyanic acid, polymethylenepolyphenylene ester	inhalation	LC50 - Rat - 490 mg/m³/4h
Ethyl Benzene	inhalation	LCLo - Rat - 4,000 ppm/4 h
Xylene	dermal	LD50 - Rat - > 1,700 mg/kg
	inhalation	LC50 - Rat - 5,000 ppm/4 h

Skin corrosion/irritation

Assessment: Causes skin irritation

Product data:

No data available.

Substance data:

Name	Result
Methylenediphenyl diisocyanate	Irritating to the skin.

Name	Result
4,4'-Methylenediphenyl diisocyanate	Irritating to the skin.
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol	Irritating to the skin.
Isocyanic acid, polymethylenepolyphenylene ester	Moderate skin irritation.
Xylene	Irritating to the skin.

Serious eye damage/irritation

Assessment: Causes serious eye irritation

Product data:

No data available.

Substance data:

Name	Result
Methylenediphenyl diisocyanate	Moderate eye irritation.
4,4'-Methylenediphenyl diisocyanate	Moderate eye irritation.
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol	Irritating effect on the eyes.
Isocyanic acid, polymethylenepolyphenylene ester	Irritating effect on the eyes.

Respiratory or skin sensitization

Assessment: May cause an allergic skin reaction May cause allergy or asthma symptoms or breathing difficulties if inhaled

Product data:

No data available.

Substance data:

Name	Result
Methylenediphenyl diisocyanate	May cause sensitization by inhalation and skin contact.
4,4'-Methylenediphenyl diisocyanate	May cause sensitization by inhalation and skin contact.
Propanol, ((1-methyl-1,2-ethanediyl)bis(oxy))bis-, polymer with 1,1'-methylenebis(4-isocyanatobenzene)	Sensitization possible through respiratory contact.

Name	Result
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol	Sensitization possible through skin and respiratory contact.
Isocyanic acid, polymethylenepolyphenylene ester	May cause sensitization by respiratory contact.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Species	Result
Methylenediphenyl diisocyanate	Methylenediphenyl diisocyanate	May cause cancer.
4,4'-Methylenediphenyl diisocyanate		May cause cancer.
Titanium Dioxide		Airborne, unbound particles of respirable size are known to cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Isocyanic acid, polymethylenepolyphenylene ester	Group 3 - Not classifiable as to its carcinogenicity to humans
Ethyl Benzene	Group 2B - Possibly carcinogenic to humans
Xylene	Group 3 - Not classifiable as to its carcinogenicity to humans
Titanium Dioxide	Group 2B

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

POR-15 WHITE HIGH SOLIDS

Name	Result
Methylenediphenyl diisocyanate	Component affects the respiratory system through single and repeated exposure.
4,4'-Methylenediphenyl diisocyanate	Component affects the respiratory system through single and repeated exposure.
Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol	May cause respiratory tract irritation through single or repeated exposure.
Isocyanic acid, polymethylenepolyphenylene ester	Component affects the respiratory system through single and repeated exposure.
Ethyl Benzene	Repeated exposure damages the hearing organs.
n-Butyl acetate	SE May cause drowsiness or dizziness. - Central nervous system

Specific target organ toxicity (repeated exposure)

Assessment: Causes damage to organs through prolonged or repeated exposure

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Ethyl Benzene	May be fatal if swallowed and enters airway.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

Persistence and degradability

Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.
Substance data: No data available.

Mobility in soil

Product data: No data available.
Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	1263
UN proper shipping name	Paint
UN transport hazard class(es)	3 
Packing group	III
Environmental hazards	None
Special precautions for user	None
Passenger air/rail	60L
Cargo aircraft only	220L
Stowage category	A

International Maritime Dangerous Goods (IMDG)

UN number	1263
UN proper shipping name	Paint
UN transport hazard class(es)	3 
Packing group	III
Environmental hazards	None
Special precautions for user	None
EmS number	F-E, S-E
Stowage category	A

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	1263
UN proper shipping name	Paint
UN transport hazard class(es)	3 
Packing group	III
Environmental hazards	None

POR-15 WHITE HIGH SOLIDS

Special precautions for user	None
Excepted quantities	E1
Passenger and cargo	60L
Cargo aircraft only	220L
Limited quantity	10L

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

26447-40-5	Methylenediphenyl diisocyanate	Listed
101-68-8	4,4'-Methylenediphenyl diisocyanate	Listed
52747-01-0	Propanol, ((1-methyl-1,2-ethanediyl)bis(oxy))bis-, polymer with 1,1'-methylenebis(4-isocyanatobenzene)	Listed
67815-87-6	Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol	Listed
9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	Listed
100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
108-65-6	1-Methoxy-2-propanol acetate	Listed
123-86-4	n-Butyl acetate	Listed
13463-67-7	Titanium Dioxide	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

101-68-8	4,4'-Methylenediphenyl diisocyanate	Not Listed
9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	Listed
100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
108-65-6	1-Methoxy-2-propanol acetate	Not Listed
13463-67-7	Titanium Dioxide	Not Listed

CERCLA:

100-41-4	Ethyl Benzene	Listed	1,000 lb
1330-20-7	Xylene	Listed	100 lb
123-86-4	n-Butyl acetate	Listed	5,000 lb

RCRA:

1330-20-7	Xylene	Listed	U239

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

101-68-8	4,4'-Methylenediphenyl diisocyanate	Listed

POR-15 WHITE HIGH SOLIDS

9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	Not Listed
100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
108-65-6	1-Methoxy-2-propanol acetate	Not Listed
123-86-4	n-Butyl acetate	Listed
13463-67-7	Titanium Dioxide	Listed

New Jersey Right to Know:

101-68-8	4,4'-Methylenediphenyl diisocyanate	Listed
9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	Listed
100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
108-65-6	1-Methoxy-2-propanol acetate	Not Listed
123-86-4	n-Butyl acetate	Not Listed
13463-67-7	Titanium Dioxide	Listed

New York Right to Know:

101-68-8	4,4'-Methylenediphenyl diisocyanate	Listed
9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	Not Listed
100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
108-65-6	1-Methoxy-2-propanol acetate	Not Listed
123-86-4	n-Butyl acetate	Listed
13463-67-7	Titanium Dioxide	Listed

Pennsylvania Right to Know:

101-68-8	4,4'-Methylenediphenyl diisocyanate	Listed
9016-87-9	Isocyanic acid, polymethylenepolyphenylene ester	Not Listed
100-41-4	Ethyl Benzene	Listed
1330-20-7	Xylene	Listed
108-65-6	1-Methoxy-2-propanol acetate	Not Listed
123-86-4	n-Butyl acetate	Listed
13463-67-7	Titanium Dioxide	Listed

California Proposition 65:

⚠**WARNING**: This product can expose you to chemicals including Ethyl Benzene and Titanium Dioxide which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Abbreviations and Acronyms: None
Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

Initial preparation date: 07.19.2018

End of Safety Data Sheet