SAFETY DATA SHEET

According to 29 CFR 1910.1200(g)

PROTAL 7125 PART A (RESIN)

SECTION 1: Identification of the substance/mixture and of the company/undertaking	
1.1. Product identifier	
Product name	Protal 7125 Part A (Resin)
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Product Use	Industrial use as a protective coating in prevention of corrosion.
Restricted Use	Not intended for use by general public.
1.3. Details of the supplier of the safety data sheet	
Company	Denso North America
Address	9747 Whithorn Drive Houston, TX 77095
Web	www.densona.com
Telephone	1 (281) 821-3355
Fax	1 (281) 821-0304
Email	info@densona.com
1.4. Emergency telephone number	
Emergency telephone number (24 Hour)	1-801-629-0667

SECTION 2: Hazards Identification	
2.1. Classification of the substance or mixture	
2.1.1. Health	Acute Toxicity (Inhalation) – Category 4 Skin Irritation – Category 2 Eye Irritation – Category 2A Germ Cell Mutagenicity – Category 2 Carcinogenicity – Category 2 Reproductive Toxicity – Category 1B Specific Target Organ Toxicity – Single Exposure – Category 1 (CNS) Specific Target Organ Toxicity – Single Exposure – Category 3 (Respiratory) Specific Target Organ Toxicity – Repeated Exposure – Category 1 (Liver, CNS, Hearing organ, Visual organ) Aspiration Hazard – Category 1
2.1.2. Environmental	Acute Aquatic Toxicity – Category 2
2.1.3. Physical	Flammable Liquid – Category 3
2.2. Label elements	
Hazard pictograms	

Signal Word	**Danger**
Hazard statement	H226 – Flammable liquid and vapor. H304 – May be fatal if swallowed and enters airways. H315 – Causes skin irritation. H319 – Causes serious eye irritation. H332 – Harmful if inhaled. H335 – May cause respiratory irritation. H341 – Suspected of causing genetic defects. H351 – Suspected of causing cancer. H360 – May damage fertility or the unborn child. H370 – Causes damage to organs (CNS) by inhalation. H372 – Causes damage to organs (Liver, CNS, Hearing organ, Visual organ) through prolonged or repeated exposure by inhalation. H401 – Toxic to aquatic life.
Precautionary Statement: Prevention	P102 – Keep out of reach of children. P202 – Do not handle until all safety precautions have been read and understood. P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211 – Do not spray on an open flame or other ignition source. P233 – Keep container tightly closed. P234 – Keep only in original container. P235 – Store in a well ventilated place. Keep cool. P240 – Ground/bond container and receiving equipment. P241 – Use explosion-proof electrical/ventilating/light/equipment. P242 – Use only non-sparking tools. P243 – Take precautionary measures against static discharge. P261 – Avoid breathing dust/fume/gas/mist/vapors/spray. P262 – Do not get in eyes, on skin, or on clothing. P263 – Avoid contact during pregnancy. P264 – Wash thoroughly after handling. P270 – Do not eat, drink, or smoke when using this product. P271 – Use only outdoors or in a well-ventilated area. P272 – Contaminated work clothing should not be allowed out of the workplace. P273 – Avoid release to the environment. P280 – Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P330+P331+P310 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. P303+P361+P353+P352 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. P304+P340+P314 – IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice / attention if you feel unwell. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

	P314 – Get medical advice / attention if you feel unwell. P333+P313 – If skin irritation or rash occurs: Get medical advice/attention. P337+P313 – If eye irritation persists: Get medical advice/attention. P362+P364 – Take off contaminated clothing and wash it before reuse. P370+P378 – In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. P391 – Collect spillage.
Precautionary Statement: Disposal	P501 – Dispose of contents/container in accordance with local/regional/national/ international regulations.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical Name	CAS No.	Concentration (%w/w)	Classification
Vinyl Ester Resin	Proprietary	10-30%	N/A
Styrene (1)	100-42-5	10-30%	Flam Liq 3; H226 Acute Tox 4 (inhal); H332 Skin Irr 2; H315 Eye Irr 2A; H319 Germ cell mut 2; H341 Carcinogenicity 2; H351 STOT-Single 1 (CNS); H370 STOT-Single 3 (Res irr); H335 STOT-Repeat 1 (Blood, liver, CNS, respiratory); H372 Asp Haz 1; H304 Aq Acute 2; H401
Titanium Dioxide	13463-67-7	1-5%	(3)
Wollastonite	13983-17-0	5-20%	(3)
Magnesium Silicate	14807-96-6	20-40%	(2) (3)

NOTES:

(1) Styrene may contain up to 0.4% ethylbenzene (100-41-4)
(2) Substance classified with a health or environmental hazard.
(3) Substance with a workplace exposure limit.

SECTION 4: First aid measures

4.1. General advice	Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.
4.2. Eye contact	Immediately flush eyes with plenty of water for at least 15 minute, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical

	attention if eye irritation persists.
4.3. Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. In the event of any complaints or symptoms, avoid further exposure. If skin irritation or a rash occurs, get medical advice/attention. Wash clothing before reuse. Clean shoes thoroughly before reuse. For contact with hot product, flush contaminated skin with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze. Get medical attention immediately.
4.4. Ingestion	Wash out mouth with water. Remove dentures, if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposure person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
4.5 Inhalation	Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

4.6. Most important symptoms and effects, both acute and delayed

Eye contact	Irritating to eyes.
Skin contact	Contact causes skin irritation. Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion	May cause irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed – can enter lungs and cause chemical pneumonia or pulmonary edema. Ingestion is not an anticipated route of exposure for this material in industrial use.
Inhalation	May cause irritation to respiratory system. Inhalation of high vapor concentrations can cause CNS-depression and narcosis. Upon repeated exposure, damage to auditory organs may occur. May cause damage to the kidneys, liver, eyes, brain, respiratory system, CNS through prolonged or repeated exposure if inhaled. Suspect mutagen. Suspect carcinogen.

SECTION 5: Firefighting measures

5.1. Suitable extinguishing media	Alcohol-resistant foam, Carbon dioxide (CO2), Dry chemical, Dry sand, Limestone powder. Do not use a solid water stream as it may scatter and spread fire.
5.2. Specific hazards	Decomposition products may include the following materials: carbon oxides. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes. Flammable liquid and vapor. May form explosive/flammable vapor/air mixtures. Autopolymerization may occur if uninhibited, heated or involved in a fire. Autopolymerization will be accompanied by generation of heat which can produce additional flammable/explosive vapors. Avoid heat, high temperatures and static electricity.
5.3. Special protective equipment for fire-fighters	Avoid contact with skin. Fire-fighters should wear appropriate personal protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
5.4. Further information	Do not allow run-off from fire-fighting to enter drains or water courses. Keep product away from open flames, hot surfaces and sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Move non-burning material, as feasible, to a safe location as soon as possible. Closed containers containing hot material may explode due to an accumulation of vapor or due to polymerization of the product. Use water spray to cool fire-exposed containers. Empty containers may retain product residue.

SECTION 6: Accidental release measures

6.1. Personal precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering and upwind of spill/leak. Do not touch or walk through spilled materials. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8). Keep product away from or remove all sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Beware of vapors accumulating to form explosive concentrations.
6.2. Environmental precautions	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3. Methods for cleaning up	Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Use absorbent with inert material. Sweep up material and place in a designated, labeled waste container. Dispose of via a licensed, waste-disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
6.4. Additional advice	Stop leak if without risk.

SECTION 7: Handling and storage

7.1. 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 or smoking. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Take necessary action to avoid static electricity discharge. Keep away from open flames, hot surfaces and sources of ignition. Use non-sparking tools. Ground containers.

7.2. Storage

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and sources of ignition and food and drink. 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.

7.3. Technical precautions

Do not store in reactive metal containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

CAS No.	ACGIH TLV
100-42-5	20 ppm-TWA (IDLH 700 ppm)
13463-67-7	10 mg/m3 (total – respirable, inhalable)
13983-17-0	10 mg/m3 (total – respirable, inhalable)
14807-96-6	2 mg/m^3 (as respirable dust)

8.2. Control measures / Personal Protection

8.2.1. Recommended monitoring procedures

To meet the exposure limits for the materials listed above, personal workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

8.2.2. Engineering measures

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

8.2.3. Hygiene measures

Wash hands, forearms, and face after handling chemical products, before eating, smoking or 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 or discard as necessary. Ensure that eyewash stations/bottles with pure water and safety showers are close to the workstation

	location.
8.2.4. Respiratory protection	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.
8.2.5. Eye protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. This may include, but is not limited to, safety glasses, goggles and face shields.
8.2.6. Skin protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. This equipment may include, but is not limited to, impervious gloves, gauntlets, impervious shoes/boots, and protective clothing. The breakthrough time of the selected protective glove(s), shoes and clothing must be greater than the intended use period.
8.2.7. Environmental exposure controls	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Environmental exposure controls may also include dikes or other liquid containment devices.

SECTION 9: Physical and chemical properties

Form	Viscous Liquid	Vapor Pressure	ND
Color	White	Relative vapor density	>1
Odor	Mildly irritating	Relative density	1.52
Odor threshold	ND	Water solubility	Slight
pH	about 7	Partition coefficient (n-octanol/water)	ND
Freezing point	ND	Auto-ignition temperature	ND
Boiling point	ND	Decomposition temperature	ND
Flash Point	88°F (31°C)	Viscosity	20,000 cP @ 73°F (22°C)
Evaporation rate	N/A	Oxidizing	N/A
Flammable Limits	ND	Explosion Limits	ND

SECTION 10: Stability and reactivity

10.1 Stability	The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur. If not kept under recommended conditions of storage and use, the product may polymerize with heat evolution.
10.2. Conditions to avoid	Heat, Light, Sources of ignition, Depletion of inhibitor
10.3. Materials to avoid	Reactive or incompatible with the following materials: Oxidizing materials, Strong acids, Strong alkalis (such as amines), Metal salts, Corrosive to copper and copper

alloys.

10.4. Other hazards

Reacts with considerable heat release with some chemicals, such as amines, peroxides, halogens, cobalt.

10.5. Hazardous decomposition products

Decomposition products may include the following materials: Carbon oxides, Hydrocarbons, noxious and toxic gases/fumes.

SECTION 11: Toxicological information

11.1. Acute health hazard

Product:

Acute oral toxicity:	ND	
Acute dermal toxicity:	ND	

Components:

100-42-5

Acute oral toxicity:	LD50 (rat):	2,650 mg/kg
Acute dermal toxicity:	LD50 (rat):	>26.4 mg/kg
Acute inhalation toxicity:	LD50 (rat):	11.8 mg/L – 4 h

13463-67-7

Acute oral toxicity:	LD50 (rat):	>10,000 mg/kg
Acute dermal toxicity:	LD50 (rabbit):	>10,000 mg/kg
Acute inhalation toxicity:	LD50 (rat):	>6.8 mg/L – 4 h

Acute toxicity data are not available for other components of this product.

11.2. Skin corrosion or irritation

Product: May cause skin irritation in susceptible persons based on components.

Components:

100-42-5 May cause skin irritation in susceptible persons.

13463-67-7 Can cause skin irritation if not promptly washed from the skin.

No corrosion or irritation due to skin contact has been reported for other components of this product.

11.3. Serious eye damage or irritation

Product: Irritating to the eye based on components.

Components:

100-42-5 Irritating to eyes.

Eye irritation has been reported for the other components of this product, but only due to the mechanical irritation of the eye by any foreign body.

11.4. Respiratory or skin sensitization

Product: Not likely to be a skin sensitizer based on components.

Components:

Remarks: None of the components cause skin sensitization.

11.5. Germ cell mutagenicity	**Product:** Likely to be mutagenic based on components. **Components:** 100-42-5 Remarks: In vitro tests showed mutagenic effects which were not observed with in vivo tests, resulting in a classification of suspect mutagen. No mutagenic effects have been reported for the other components of this product.
11.6. Carcinogenicity	**Product:** Likely to be classifiable as a suspect carcinogen based on components. **Components:** 100-42-5 Remarks: This substance has been reported to cause tumors in certain animal species. IARC Group 2B: Possibly carcinogenic to humans. NTP: Reasonably anticipated to be a human carcinogen. ACGIH: No ingredient of this component present at levels greater than 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. 13463-67-7 Remarks: Characterized by IARC as possibly carcinogenic to humans (group 2B) by inhalation (not ingestion). It has not been characterized as a potential carcinogen by either NTP or OSHA. 13983-17-0 Remarks: None known. 14807-96-6 Remarks: Talc may contain crystalline silica. IARC has concluded that there is limited evidence of carcinogenicity of crystalline silica in humans and sufficient evidence of carcinogenicity of crystalline silica in experimental animals (IARC Class 2A). The NTP has concluded that crystalline silica (respirable) may reasonably be expected to be a carcinogen.
11.7. Reproductive toxicity	**Product:** Not known to have adverse effects on sexual function, fertility, and/or on development based on components. **Components:** None of the components is classified as a reproductive toxin.
11.8. STOT – single exposure	**Product:** No data available, but irritation to skin, eyes and respiratory tract, drowsiness or dizziness is possible based on components. **Components:** 100-42-5 Irritation to eyes, skin, and respiratory system. May cause drowsiness or dizziness. 13463-67-7, 13983-17-0, 14807-96-6, 65997-17-3 Remarks: If particulates are inhaled or allowed to contact skin for extended time periods, irritation to the respiratory system or skin may occur. Mechanical irritant to the eyes.

11.9. STOT – repeated exposure	**Product:** No data available, but irritation to the skin, eyes and respiratory tract and damage to the auditory organs is possible based on components. **Components:** 100-42-5 Remarks: Irritation to eyes, skin, and respiratory system. Dermatitis. May cause damage to organs (auditory organs, liver, CNS, eyes) through prolonged or repeated exposure. No adverse effects in this area have been reported for the other components of this product.
11.10. Repeated dose toxicity	**Product:** No data available, but repeated exposure will likely result in adverse health effects based on components. **Components:** 100-42-5 Species: Mouse Application Route: Oral Dose: 0, 150, 300 mg/kg Exposure Time: 78 wk No. of Exposures: 5 d/wk NOEL: 150 mg/kg Lowest observable effect level: 300 mg/kg Species: Rat Application Route: Inhalation Exposure Time: 4 wk Dose: 0, 500, 650, 850, 1000 ppm Exposures: 6 h/d, 5d/wk NOEL: 500 ppm Target Organs: Ototoxicity 14807-96-6 Remarks: Talc may contain crystalline silica. Repeated inhalation to crystalline silica may result in silicosis, cancer, pulmonary tuberculosis, kidney disease, autoimmune diseases, and non-malignant respiratory diseases.
11.11. Aspiration toxicity	**Product:** No data available, but may be fatal if swallowed and enters airways based on components. **Components:** 100-42-5 May be fatal if swallowed and enters airways.
11.12. Further information	Likely routes of exposure – inhalation; skin and eye contact.

SECTION 12: Ecological information

12.1. Ecotoxicity	**Product:** Toxic to aquatic life based on components present. **Components:** 100-42-5		
	Toxicity to fish – 96 h	LC50: 4.02 mg/L	Species: Fathead minnow
	Toxicity to daphnia and other aquatic invertebrates – 48 h		
		LC50: 4.7 mg/L	Species: Daphnia magna
	Toxicity to algae – 72 h	EC50: 4.9 mg/L	Species: Selenastrum capricornutum (algae)
	Toxicity to bacteria – 96 h	EC10: 0.28 mg/L	Species: Skeletonema costatum (marine algae)

	Other components Remarks: Not toxic to aquatic life
12.2. Persistence and degradability	**Product:** No data available **Components:** 100-42-5 Remarks: Considered to be readily biodegradable Other components Remarks: Not readily biodegradable.
12.3. Bioaccumulative potential	**Product:** No data available **Components:** No data available
12.4. Mobility in soil	**Product:** No data available **Components:** No data available
12.5. Other adverse effects	**Product:** No data available. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal, Harmful, possibly toxic to aquatic life. **Components:** No data available

SECTION 13: Disposal considerations

13.1. Waste 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 and local authority requirements. Avoid disposal of spilled material and runoff and contaminated soils in waterways, drains or sewers. Dispose of contaminated containers, soils, etc. in compliance with the requirements of environmental protection and waste disposal legislation and any regional and local authority requirements. Empty any remaining contents from packaging prior to disposal and dispose of as unused product. Do not reuse empty containers.

SECTION 14: Transport information

14.1. UN number	UN1263
14.2. UN proper shipping name	PAINT

14.3. Transport hazard class		
International Carriage of Dangerous Good by Road/Rail	ADR/RID:	3
International Maritime Dangerous Goods	IMDG:	3
International Air Transport Association	IATA:	3
US Code of Federal Regulations	CFR	3
Canadian Transportation of Dangerous Goods	TDG:	3
US Department of Transportation	DOT:	3
14.4. Packing group	III	
14.5. Environmental hazards	Environmental hazards: No	Marine pollutant: No

ADR/RID

Hazard ID:	30	Tunnel Category:	(D/E)

IMDG

EmS Code:	F-E S-E		

IATA

Packing Instruction (Cargo):	366	Maximum quantity:	220 L
Packing instruction (Passenger):	355	Maximum quantity:	60 L

SECTION 15: Regulatory information

15.1. OSHA Hazards

Flammable Liquid, Moderate eye irritant, Aspiration hazard, Moderate skin irritant, Moderate respiratory irritant, Harmful by inhalation.

15.2. CERCLA Reportable Quantity

Components	CAS No.	Component RQ	Product RQ
Styrene	100-42-5	1,000 lbs	4,000 lbs

15.3. SARA 314 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with section 314 EHS RQ.

15.4. SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard, Reactivity Hazard

15.5. SARA Title III, Section 302 Reporting

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

15.6. SARA Title III, Section 313 Reporting

This material contains the following chemicals that are subject to the reporting requirements of SARA Title III, Section 313: Styrene 100-42-5

15.7. Clean Air Act

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12

	(40 CFR 61): Styrene 100-42-5 This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489): Styrene 100-42-5
15.8. Clean Water Act	The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A: Styrene 100-42-5 The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 117.3: Styrene 100-42-5 Cat C 1000 lb RQ This product contains the following toxic pollutants listed under the U.S. Clean Water Act, Section 307: None
15.9. US State Regulations	Pennsylvania Right-To-Know 100-4205 Styrene New Jersey Right-To-Know 100-42-5 Styrene California Prop 65 WARNING! This product does not contain a chemical known to the State of California to cause cancer.

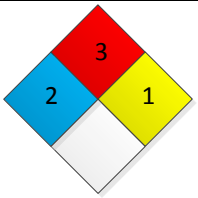
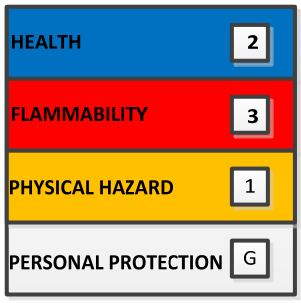
15.10. International Chemical Inventory Listing

TSCA (US)	Yes (All components of this product are on US inventory)
DSL (Canada)	Yes (All components of this product are on Canadian inventory)
AICS (Australia)	Yes (On Australian inventory or in compliance with inventory)
ICS (New Zealand)	Yes (On New Zealand inventory or in compliance with inventory)
ENCS (Japan)	Yes (On Japanese inventory or in compliance with inventory)
ISHL (Japan)	Yes (On Japanese inventory or in compliance with inventory)
KECI (Korea)	Yes (On Korean inventory or in compliance with inventory)
PICCS (Philippines)	Yes (On Philippine inventory or in compliance with inventory)
IECSC (China)	Yes (On Chinese inventory or in compliance with inventory)

15.11. WHMIS Hazard Classification (Canada)

Class D-2A: Very Toxic Material causing other toxic effects.
Class B2: Flammable Liquid
Canadian NPRI: None required.

SECTION 16: Other information

16.1. NFPA	
16.2. HMIS®	 Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS ratings are not required on SDS's under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS ratings are to be used with a fully implemented HMIS program. HMIS is a registered mark of the National Paint & Coatings Association (NPCA). HMIS materials may be purchased exclusively from J.J. Keller (800) 327-6868. The customer is responsible for determining the PPE code for this material.
16.3. Text of Risk phrases in Section 3	None.
16.4. Text of Hazard statements in Section 3	H226 – Flammable liquid and vapor. H304 – May be fatal if swallowed and enters airways. H315 – Causes skin irritation. H319 – Causes serious eye irritation. H332 – Harmful if inhaled. H335 – May cause respiratory irritation. H341 – Suspected of causing genetic defects. H351 – Suspected of causing cancer. H360 – May damage fertility or the unborn child. H370 – Causes damage to organs (CNS) by inhalation. H372 – Causes damage to organs (Liver, CNS, Hearing organ, Visual organ) through prolonged or repeated exposure by inhalation. H401 – Toxic to aquatic life.
16.5. Notice to Reader	The information provided herein was believed by Denso North America ("Denso") to be accurate at the time of preparation and prepared from sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. All products supplied by Denso are subject to Denso's

terms and conditions of sale. DENSO MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MECHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE OR CONCERNING THE ACCURACY OF ANY INFORMATION PROVIDED BY DENSO, except that the product shall conform to Denso's specifications. Nothing contained herein constitutes an offer for the sale of any product.

16.6. Key/Legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference Government Industrial Hygienists
AICS	Australia, Inventory of Chemical Substances
DSL	Canada, Domestic Substances List
NDSL	Canada, Non-Domestic Substances List
CAS	Chemical Abstract Service
CNS	Central Nervous System
EC50	Effective Concentration 50%
EGEST	EOSCA Generic Exposure Scenario Tool
EOSCA	European Oilfield Specialty Chemicals Association
EINECS	European Inventory of Existing Chemical Substances
ENCS	Japan, Inventory Existing and New Chemical Substances
GHS	Global Harmonization System
IDLH	Immediately Dangerous to Life or Health Concentrations
IARC	International Agency for Research on Cancer
IC50	Inhibition Concentration 50%
IECSC	Inventory of Existing Chemical Substances in China
KECI	Korea, Existing Chemical Inventory
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
LOAEL	Lowest Observed Adverse Effect Level
MAK	Germany Maximum Concentration Values
N/A	Not Applicable
ND	Not Determined
NFPA	National Fire Protection Agency
NIOSH	National Institute for Occupational Safety & Health
NOAEL	No Observable Adverse Effect Level
NOEC	No Observed Effect Concentration
NTP	National Toxicology Program
NZIoC	New Zealand Inventory of Chemicals
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limit
PICCS	Philippines Inventory Commercial Chemical Substances
PRNT	Presumed Not Toxic
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological

	Materials WHMIS Workplace Hazardous Materials Information System
16.7. Prepared by	Denso EH & S Department
16.8. Telephone	1-281-821-3355 Corporate 1-801-629-0667 Emergency (24 hour)