



SAFETY DATA SHEET

According to 29 CFR 1910.1200(g)

PROTAL 7125 PART B (HARDENER)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Protal 7125 Part B (Hardener)

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 Organic Peroxide – Category E

Eye Irritant – Category 2

Skin Sensitizer – Category 1

2.1.2. Environmental Acute Aquatic Toxicity – Category 1

2.1.3. Physical None

2.2. Label elements

Hazard pictograms



Signal Word

Warning

Hazard statement

H242 – Heating may cause a fire.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H400 – Very toxic to aquatic life.



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**Precautionary Statement:
Prevention**

P102 – Keep out of reach of children.
P202 – Do not handle until all safety precautions have been read and understood
P220 – Keep/Store away from clothing, strong acids/bases, heavy metal salts and other reducing substances/combustible materials.
P233 – Keep container tightly closed.
P234 – Keep only in original container.
P235 – Store in a well ventilated place. Keep cool.
P262 – Do not get in eyes, on skin, or on clothing.
P264 – Wash thoroughly after handling.
P270 – Do not eat, drink, or smoke when using this product.
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+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 – IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P363 – Wash contaminated clothing before reuse.
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
Dibenzoyl Peroxide	94-36-0	15-30%	Org Perox B; H241 Eye Irr 2; H319 Skin Sens 1; H317 Aqua Acute 1; H400
Diisononyl phthalate	28553-12-0	20-40%	None
Soda Lime Borosilicate Glass	65997-17-3	1-15%	(1)
NOTES:	(1) Substance with a workplace exposure limit. (2) Product is a paste. Dibenzoyl peroxide is a solid dispersed within the paste.		

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.



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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.
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. 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 if adverse health effects persist or are severe. 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	Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin contact	May cause allergic skin reaction or sensitization. Symptoms may include itching, redness, edema, and drying of the skin.
Ingestion	May cause abdominal pain, nausea, vomiting, or diarrhea.
Inhalation	Unlikely to produce symptoms or effects under normal conditions.

SECTION 5: Firefighting measures

5.1. Suitable extinguishing media	Alcohol-resistant foam, Carbon dioxide (CO ₂), Dry chemical, or water spray. Do not use a solid water stream as it may scatter and spread fire.
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5.2. Specific hazards	Decomposition products may include the following materials: carbon oxides. Downwind personnel must be evacuated. Burning produces noxious and toxic fumes.
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 heat sources.

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. 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).
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. Vacuum or sweep up material and place in a designated, labeled water 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. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. 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. Keep product away from heat sources.
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 food and drink. Keep away from heat. Keep



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7.3. Technical precautions

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.

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

94-36-0

5 mg/m³

28553-12-0

None

65997-17-3

10 mg/m³ (dust, Manufacturer determined)

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. Select equipment to provide protection from the ingredients in Section 3 of this document.

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



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8.2.7. Environmental exposure controls

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.

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	Paste	Vapor Pressure	ND
Color	Black	Relative vapor density	>1
Odor	Mild	Relative density	0.99
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	ND	Viscosity	15,000 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/decomposition will not occur.
10.2. Conditions to avoid	Avoid heat, open flames, direct sunlight, prolonged storage above 100oF (38oC), and contamination from incompatible materials.
10.3. Materials to avoid	Reactive or incompatible with the following materials: Strong acids and bases, heavy metals and heavy metal salts, reducing agents, avoid impurities (e.g. rust, dust, ash) – risk of decomposition.
10.4. Other hazards	Reacts with considerable heat release.
10.5. Hazardous decomposition products	Decomposition products may include the following materials: Carbon oxides; Irritating, caustic, flammable, noxious/toxic gases, vapors, or fumes can develop.

SECTION 11: Toxicological information

11.1. Acute health hazard	Product: Acute oral toxicity: ND Acute dermal toxicity: ND Components: 94-36-0 Acute oral toxicity: LD50 (rat): >5,000 mg/kg Acute dermal toxicity: LD50 (rabbit): ND
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Acute inhalation toxicity: LC50 (rat): 24.3 mg/L – 4 h

28553-12-0

Acute oral toxicity: LD50 (rat): ND

Acute dermal toxicity: LD50 (rabbit): ND

65997-17-3

Acute oral toxicity: LD50 (rat): >2,000 mg/kg (estimated)

Acute dermal toxicity: LD50 (rabbit): >5,000 mg/kg (estimated)

11.2. Skin corrosion or irritation

Product: No data available, but likely not to be irritating or corrosive to skin based on components present.

Components:

94-36-0 adult rabbit No skin irritation or corrosion

28553-12-0 None known.

65997-17-3 None known.

11.3. Serious eye damage or irritation

Product: No data available, but likely to cause severe eye irritation based on components present.

Components:

94-36-0 rabbit Irritation to eyes, reversing within 21 days
Method: OECD Test Guideline 405

28553-12-0 None known.

65997-17-3 None known.

11.4. Respiratory or skin sensitization

Product: No data available, but may cause skin sensitization in susceptible persons based on components. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. May aggravate pre-existing skin conditions like dermatitis.

Components:

94-36-0 mouse May causes skin sensitization by skin contact.
Method: OECD Test Guideline 429

28553-12-0 None known.

65997-17-3 None known.

11.5. Germ cell mutagenicity

Product: No data available, but not likely to be mutagenic based on components.

Components:

94-36-0 Salmonella typhimurium Negative
Method: OECD Test Guideline 471
Classification not possible

28553-12-0

65997-17-3

Remarks: Some positive data exist, but the data are not sufficient for classification.

11.6. Carcinogenicity

Product: No data available.

Components:

94-36-0



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Result: Animal testing did not show any carcinogenic effects.

28553-12-0

Remarks: Classification not possible

65997-17-3

Remarks: Some positive data exist, but the data are not sufficient for classification.

Remarks: None of the components is classified as a carcinogen.

11.7. Reproductive toxicity

Product: No data available, but not likely to be classifiable as a reproductive toxin based on components.

Components: None of the components is known to have significant reproductive effects.

11.8. STOT – single exposure

Product: No data available, but irritation and/or sensitization to skin and eyes are likely– Skin, Eyes. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. May aggravate pre-existing skin conditions like dermatitis.

Components: No data available. See Sections 11.2, 11.3, and 11.4 for specific information regarding the effects of the components.

11.9. STOT – repeated exposure

Product: No data available, but, based on components, may cause irritation and/or sensitization to skin and eyes are likely - Skin, Eyes. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. May aggravate pre-existing skin conditions like dermatitis.

11.10. Repeated dose toxicity

Product: No data available, but, based on components, causes eye irritation and skin sensitization. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. May aggravate pre-existing skin conditions like dermatitis.

11.11. Aspiration toxicity

Product: Not determined.

Components: Not determined.

11.12. Further information

Likely routes of exposure – skin and eye contact.

SECTION 12: Ecological information

12.1. Ecotoxicity

Product: No data available, but likely to be very toxic to aquatic life based on components present.

Components:

94-36-0

Toxicity to fish – 96 h LC50: 0.06 mg/L Species: Rainbow trout

Toxicity to daphnia and other aquatic invertebrates – 48 h

LC50: 0.11 mg/L

Toxicity to algae – 72 h LC50: 0.07 mg/L Species: Green algae

Toxicity to bacteria – 30 m EC50: 35 mg/L Species: Activated sludge

12.2. Persistence and degradability	<p>28553-12-0 No data available. 65997-17-3 No data available.</p> <p>Product: No data available Components: 94-36-0 Biodegradable Biodegradation: 68% - 28 d Method: OECD Test Guideline 301D</p> <p>28553-12-0 No data available. 65997-17-3 No data available.</p>
12.3. Bioaccumulative potential	<p>Product: No data available Components: Not determined.</p>
12.4. Mobility in soil	<p>Product: Not determined. Components: Not determined.</p>
12.5. Other adverse effects	<p>Product: Not determined. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal, toxic to aquatic life. Components: No data available</p>

SECTION 13: Disposal considerations

13.1. Waste disposal	<p>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.</p>
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SECTION 14: Transport information

14.1. UN number	UN3108
14.2. UN proper shipping name	ORGANIC PEROXIDE TYPE E, SOLID (DIBENZOYL PEROXIDE)





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14.3. Transport hazard class
International Carriage of
Dangerous Good by
Road/Rail
International Maritime
Dangerous Goods
International Air Transport
Association
US Code of Federal
Regulations
Canadian Transportation of
Dangerous Goods
US Department of
Transportation

ADR/RID: 5.2
IMDG: 5.2
IATA: 5.2
CFR 5.2
TDG: 5.2
DOT: 5.2

14.4. Packing group

II

14.5. Environmental hazards

Environmental hazards: Yes Marine pollutant: Yes
IMDG
EmS Code: F-J S-R
IATA
Packing Instruction (Cargo): 570 Maximum quantity: 25 kg
Packing instruction (Passenger): 570 Maximum quantity: 10 kg

SECTION 15: Regulatory information

15.1. OSHA Hazards

Organic Peroxide, Sensitizer, Irritant

15.2. CERCLA Reportable
Quantity

Components	CAS No.	Component RQ	Product RQ
None			

15.3. SARA 314 Extremely
Hazardous Substances
Reportable Quantity

This material does not contain any components with a section 314 Extremely Hazardous Substances RQ.

15.4. SARA 311/312 Hazards

Reactivity hazard, Acute health 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

The following chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313: Dibenzoyl peroxide 94-36-0

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): None.



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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 SOCM I Intermediate or Final VOC's (40 CFR 60.489): None.

15.8. Clean Water Act

The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 116.4A: None.

The following Hazardous Substances are listed under the U.S. Clean Water Act, Section 311, Table 117.3: None.

This product contains the following toxic pollutants listed under the U.S. Clean Water Act, Section 307: None.

15.9. US State Regulations

Massachusetts Right-To-Know

Dibenzoyl peroxide 94-36-0

Pennsylvania Right-To-Know

Dibenzoyl peroxide, Diisononyl phthalate 94-36-0, 28553-12-0

New Jersey Right-To-Know

Dibenzoyl peroxide, Diisononyl phthalate 94-36-0, 28553-12-0

California Prop 65

WARNING! This product contains a chemical known to the State of California to cause cancer. Diisononyl phthalate 28553-12-0

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)

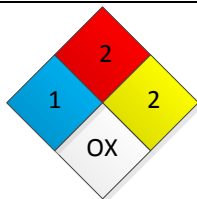
Class D-2B: Material causing other toxic effects (Toxic).

Class C: Oxidizing material.

Canadian NPRI: None required.

SECTION 16: Other information

16.1. NFPA



16.2. HMIS®

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	1
PERSONAL PROTECTION	C

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

H242 – Heating may cause a fire.
 H317 – May cause an allergic skin reaction.
 H319 – Causes serious eye irritation.
 H400 – Very 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 MECHANABILITY 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
 ADR European Agreement for International Carriage of Dangerous Materials Road
 AICS Australia, Inventory of Chemical Substances



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DSL	Canada, Domestic Substances List
NDSL	Canada, Non-Domestic Substances List
CAS	Chemical Abstract Service
CNS	Central Nervous System
DOT	Department of Transportation
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
HMIS	Hazardous Materials Identification System
IDLH	Immediately Dangerous to Life or Health Concentrations
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IC50	Inhibition Concentration 50%
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
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 Available
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
RID	European Agreement for International Carriage of Dangerous Materials Rail
RQ	Reportable Quantity
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
TDG	Transportation of Dangerous Goods (Canada)
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials



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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)