



HEALTH	2
FLAMMABILITY	0
REACTIVITY	0

SAFETY DATA SHEET

Prepared by Duro Dyne December 6, 2013

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name: DURO DYNE DUROSEAL DUCT SEALER
Product Identifier: EDS-1, EDS-C
Item #: 5096, 5095
Supplier Details: DURO DYNE CORPORATION
81 Spence Street
Bay Shore, NY 11706

Information
Phone No: 800-899-3876
Emergency
Phone No: 800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATIONS

2.1 Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Carc.2 H351 Suspected of causing cancer.



GHS07

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



XI; Irritant

R37/38-41: Irritating to respiratory system and skin. Risk of serious damage to eyes.

- **Information concerning particular hazards for human and environment:**

The Product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

2.2 Label elements

- **Labeling according to Regulation (EC) No 1272/2008**

The product is classified and labeled according to the CLP regulation.

- **HAZARD PICTOGRAMS**



GHS07



GHS08

- **Signal Word:** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
- **Precautionary Statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.
P264 Wash thoroughly after handling.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
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 advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Hazard description:**
- **WHMIS-symbols:**
D2B-Toxic material causing other toxic effects



- **2.3 Other Hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:**

CAS: 1317-65-3 EINECS:207-439-9	Calcium Carbonate	25-50%
CAS:1302-78-9 EINECS:215-108-5	Bentonite Xi R37 Stot SE 3, H335	<10%
CAS:57-55-6 EINECS:200-338-0	Propylene Glycol Substance with a Community workplace exposure limit	<10%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

- **4.1 Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness, place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Remove contact lenses if worn.
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
If swallowed, gastric irrigation with added, activated carbon.

5. FIRE FIGHTING MEASURES

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture.** No further relevant information available.
- **5.3 Advice for Firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.
Do not inhale explosion gases or combustion gases.

6. ACCIDENTAL RELEASE MEASURES

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
- **6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Allow to solidify. Pick up mechanically.
Clean the affected area carefully; suitable cleaners are:
Organic solvent
Warm water and cleansing agent
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. HANDLING AND STORAGE

- **7.1 Precautions for safe handling**

No special precautions are necessary if used correctly.

Prevent formation of dust.

Use only in well ventilated areas.

- **Information about fire - and explosion protection:** No special measures required.

- **7.2 Conditions for safe storage, including any incompatibilities**

Storage:

- **Requirements to be met by storerooms and receptacles:** Store in a cool location.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizing agents.

Do not store together with acids.

- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

- **7.3 Specific end use(s)** No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

57-55-6 Propylene Glycol

WEEL (USA) 10 mg/m³

EV (Canada) 155* 10** mg/m³, 50* ppm

*vapor and aerosol; **aerosol only

- **Additional Information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

- **Respiratory protection:**

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

- **Protection of hands:**

Rubber gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation

of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Pasty

Color: Grey

Odor: Mild

- **Odor threshold:** Not determined.
- **PH-value:** Not applicable.
- **Change in condition**
 - Melting point/Melting range:** Undetermined.
 - Boiling point/Boiling range:** 100°C
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not self igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower: Not determined.
 - Upper: Not determined.
- **Vapor pressure:** Not applicable.
- **Density at 20°C:** 1.32 g/cm³
- **Relative density:** Not determined.
- **Vapor density:** Not applicable.
- **Evaporation rate:** Not applicable.
- **Solubility in / Miscibility with water:** Soluble.
- **Segregation coefficient (n-octanol/water):** Not determined
- **Viscosity:**
 - Dynamic:** Not applicable.
 - Kinematic:** Not applicable.
- **Solvent content:**
 - Organic solvents: 40 g/L

- **9.2 Other information:** No further relevant information available.

10. STABILITY AND REACTIVITY

- **10.1 Reactivity**

- **10.2 Chemical stability**

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

To avoid thermal decomposition do not overheat.

- **10.3 Possibility of hazardous reactions**

Contact with acids releases toxic gases.

Contact with acids releases irritant gases.

Reacts with alkali (lyes).

Reacts with strong oxidizing agents.

Reacts with peroxides and other radical forming substances.

- **10.4 Conditions to avoid:** No further relevant information available.

- **10.5 Incompatible materials:** No further relevant information available.

- **10.6 Hazardous decomposition products:**

Carbon monoxide and carbon dioxide

Nitrogen oxides

Formaldehyde

Halogenated hydrocarbons

Chlorophosgene

11. TOXICOLGICAL INFORMATION

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

- **Primary irritant effect:**

- **On the skin:** Irritant to skin and mucous membranes.

- **On the eye:** Strong irritant with the danger of severe eye injury.

- **Sensitization:** No sensitizing effects known.

- **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

Harmful

12. ECOLOGICAL INFORMATION

- **12.1 Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **12.2 Persistence and degradability:** A part of the components are biodegradable

- **12.3 Bioaccumulative potential**

Due to the distribution coefficient n-octanol/water an accumulation in organisms is possible.

- **12.4 Mobility in soil:** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Due to the consistence and the low water solubility of the product a bioavailability is not probable.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities can leak into the ground.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects:** No further relevant information available.

13. DISPOSAL CONSIDERATIONS

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage.
Do not allow product to reach sewage system.
Contact waste processors for recycling information.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:**
Solvent naphtha
Water, if necessary together with cleansing agents.

14. TRANSPORT INFORMATION

- **14.1 UN-Number**
- **DOT** N/A
- **ADR, ADN, IMDG, IATA** N/A
- **14.2 UN proper shipping name**
- **DOT** N/A
- **ADR, ADN, IMDG, IATA** N/A
- **14.3 Transport hazard class(es)**
- **DOT**
- **Class** N/A
- **ADR, ADN, IMDG, IATA**
- **Class** N/A
- **14.4 Packing group**
- **DOT, ADR, IMDG, IATA** N/A
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation"** -

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United States (USA)

SARA

Section 355 (extremely hazardous substances):

108-05-4 vinyl acetate

Section 313 (Specific toxic chemical listings):

1309-64-4 antimony trioxide

108-05-4 vinyl acetate

35691-65-7 1,2-Dibromo-2,4-dicyanobutane

TSCA (Toxic Substances Control Act):

All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer:

1309-64-4 antimony trioxide
13463-67-7 titanium dioxide
50-00-0 formaldehyde
63449-39-8 Hydrocarbon waxes, chlorinated

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic Categories**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

1309-64-4 antimony trioxide	A2
108-05-4 vinyl acetate	A3
13463-67-7 titanium dioxide	A4

NIOSH-Ca (National Institute for Occupational Safety and Health)

13463-67-7 titanium dioxide

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Canada**Canadian Domestic Substances List (DSL)**

All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%)

Ingredients are listed as required.

57-55-6 Propylene Glycol

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H335 May cause respiratory irritation.

R37 Irritating to respiratory system.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)

Hazard Rating:

Health: 2

Flammability: 0

Reactivity: 0

Date SDS Prepared:

June 26, 2012

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