



HEALTH	2
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## SAFETY DATA SHEET

Prepared by Duro Dyne December 4, 2013

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Trade name:** DURO DYNE WEB AEROSOL SPRAY ADHESIVE

**Product Identifier:** ASA-W

**Item #:** 5015

**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

**Emergency Overview:** Keep from reach of children. Do not puncture, incinerate, or place aerosol product containers in compactors. Containers of this material may be hazardous when emptied since containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given must be observed. Do not flame cut, braze or use welding torch. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

#### **Effects of Overexposure:**

**Eye Contact:** Can cause severe irritation, redness, tearing, blurred vision.

**Skin Contact:** Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

**Inhalation:** Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation. Overexposure may cause damage to the nervous system.

**Effects of Overexposure- Ingestion:** No Information.

**Effects of Overexposure- Chronic Hazards:**

Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: kidney damage, eye damage, liver damage, lung damage, nasal damage, nervous system damage, testis damage. Overexposure to this material (or its components) has apparently been found to cause the following effects in humans: visual impairment, central nervous system effects.

**Primary Route(s) of Entry:** Skin contact, skin absorption, inhalation, eye contact.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN	TLV TWA	ACGIH		OSHA	COMPANY	
					TLV STEL	PEL TWA	PEL CEILING	TLV TWA	SKIN
01	ACETONE	67-64-1	25.0%	500ppm	750ppm	1000ppm	N.E.	N.E.	No
02	HEXANE	110-54-3	25.0%	50ppm	N.E.	500ppm	N.E.	N.E.	No
03	PROPANE	74-98-6	25.0%	2500ppm	N.E.	1000ppm	N.E.	N.E.	No
04	DIMETHYL ETHER	115-10-6	15.0%	N.E.	N.E.	N.E.	N.E.	1000ppm	No

(See Section 16 for abbreviation legend)

**4. FIRST-AID MEASURES**

**Eye Contact:** Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.

**Skin Contact:** Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Get medical attention if irritation persists. Mineral oil, baby oil, makeup remover, mineral spirits, or other similar mild solvent may be used to remove the sticky residue left by the adhesive.

**Inhalation:** Remove individual to fresh air. If breathing is difficult, administer oxygen. Give artificial respiration if breathing has stopped. Keep person warm and quiet. Get medical attention.

**Ingestion:** Do not induce vomiting. Give two glasses of water if conscious. Never give anything by mouth to an unconscious person. Get immediate medical attention.

## **5. FIRE FIGHTING MEASURES**

<b>Flash Point (Pensky-Martens C.C.):</b>	-156°F
<b>Lower Explosive Limit:</b>	1.0%
<b>Upper Explosive Limit:</b>	18.0%
<b>Autoignition Temperature:</b>	N.D.
<b>Extinguishing Media:</b>	CO <sub>2</sub> , dry chemical, foam, water fog

**Unusual Fire and Explosion Hazards:** Vapors are heavier than air and travel along the ground or may be moved by ventilation and ignition sources at locations distant from the material handling point. For aerosol products-expose to temperatures over 130°F may cause containers to burst releasing highly flammable gas.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus with a full-face piece operated in pressure-demand or other positive pressure mode when fighting fires. Keep fire exposed containers cool with water fog.

## **6. ACCIDENTAL RELEASE MEASURE**

**Spill Response:** Eliminate sources of ignition and ventilate area. Persons not properly equipped should be excluded from area. Stop spill at source-prevent spreading. Avoid inhalation of vapors. Avoid skin contact with liquid. Soak up on absorbent material and place into proper container for disposal. Use non-sparking scoops for flammable materials. Clean walking surfaces thoroughly to reduce slipping hazard.

## **7. HANDLING AND STORAGE**

**Handling:** Containers of this material may be hazardous when emptied, since containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given must be observed. Do not flame cut, braze or use welding torch on containers. Intentional misuse by deliberately concentrating and inhaling the vapors from this product may be harmful or fatal.

**Storage Temperature:** Do not store above 120°F. Do not store in direct sunlight. Keep away from heat sources, open flame, pilot lights, sparks, and other sources of ignition. Do not store above 120°F. Do not store in direct sunlight.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls:** Provide sufficient mechanical ventilation (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

**Respiratory Protection:** If work place exposure limits of product or any component is exceeded, use a NIOSH/MSHA approved respirator. Consult your safety equipment supplier for recommendations.

**Skin Protection:** Wear impervious gloves if method of use involves skin contact with product. Consult your safety supply vendor for glove recommendations.

**Eye Protection:** Wear safety glasses at minimum, more extensive protection may be necessary depending on how the product is to be used.

**Other Protective Equipment:** Wear impervious clothing if bodily exposure is anticipated. Consult your safety supply vendor for recommendations.

**Hygienic Practices:** Wash hands before eating or smoking. Smoke in designated areas only. Remove and launder clothing if contaminated.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Boiling Range:** -44 –500°F.

**Odor:** Mint when wet.

**Appearance:** White liquid.

**Solubility in H<sub>2</sub>O:** Negligible.

**Freeze Point:** N.D.

**Vapor Pressure:** N.D.

**Physical State:** Liquid

**Coefficient of Water/Oil**

**Distribution:** N.D.

**Vapor Density:** Is heavier than air.

**Odor Threshold:** N.D.

**Evaporation Rate:** Is faster than Butyl Acetate.  
**Specific Gravity:** 0.7025  
**PH @ 0.0%:** N.A.  
**Viscosity:** N.D.  
(See Section 16 for abbreviation legend)

## **10. STABILITY AND REACTIVITY**

**Conditions to Avoid:** Heat, sparks, welding arcs, open flame, pilot lights, static electricity or other source of ignition.

**Incompatibility:** Oxidizing agents, acids, reducing agents, strong oxidizers.

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide, various hydrocarbons, nitrogen oxide, nitrogen peroxide, aldehydes, carboxylic acids.

**Hazardous Polymerization Conditions:** Will not occur under normal conditions.

**Stability:** This product is stable under normal storage conditions.

## **11. TOXICOLOGICAL INFORMATION**

No product or component toxicological information is available.

## **12. ECOLOGICAL INFORMATION**

No information.

## **13. DISPOSAL CONSIDERATIONS**

**Disposal Method:** Dispose of in accordance with all local, state and federal regulations.

## **14. TRANSPORT INFORMATION**

<b>DOT Proper Shipping Name:</b>	Aerosols
<b>DOT Technical Name:</b>	N.A.
<b>DOT Hazard Class:</b>	2.1
<b>Hazard Subclass:</b>	None.
<b>DOT UN/NA Number:</b>	UN1950
<b>Packing Group:</b>	None.
<b>Resp:</b>	Guide Page 126
<b>Additional Information:</b>	For domestic ground and air shipment this product may be shipped as a Consumer Commodity ORM-D or as a Limited Quantity. Outer cartons must have the ORM-D designation or Limited Quantity diamond. DOT is transitioning from Consumer Commodity ORM-D marking to the new Limited Quantity diamond, which affords many of the same benefits as Consumer Commodity ORM-D. (Our original

cartons are currently preprinted with the ORM-D designation for ground shipment, but we are transitioning to the ground version of the Limited Quantity diamond the second quarter of 2012.)

## **15. REAGULATORY INFORMATION**

### **U.S. FEDERAL REGULATIONS: AS FOLLOWS-**

**OSHA:** Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**CERLA-SARA Hazard Category:** This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

### **IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD, PRESSURIZED GAS HAZARD**

**SARA Section 313:** This product contains the following substances subject to the reporting requirements of Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Chemical Name: Hexane  
CAS Number: 110-54-3  
WT/WT % is less than: 25.0%

**Toxic Substances Control Act:** This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

Chemical Name: No information is available.  
CAS Number: No information is available.

### **INTERNATIONAL REGULATIONS: AS FOLLOWS-**

**Canadian WHMIS:** This MSDS has been prepared in compliance with Controlled Product Regulations except for the 16 headings.

**Canadian WHMIS Regulations:** No information available.

**TSCA Inventory:** All components of this product are on the US TSCA inventory. Hexane is a mixture of n-hexane and other compounds all falling under the general chemical name light hydrotreated distillate CAS-68410-97-9. The n-hexane content of our hexane is 60-70%. On June 30, 1993 the OSHA Z-1-A table was revoked and OSHA reverted back to their prior exposure limits. The values on this MSDS reflect the roll back to the prior values. Some states may continue to enforce the 1993 limits. On June 16, 1995 EPA announced in a final rule that the acetone would no longer be considered a VOC for air attainment standards (It is now an exempt compound). The VOC calculations on this MSDS are based on acetone being an exempt compound. The June 16 rule also removed acetone from the list of SARA 313 reportable chemicals.

## **16. OTHER INFORMATION**

**Hazard Rating:** Health: 2 Flammability: 4 Reactivity: 1

**Date SDS Prepared:** June 29, 2012

**Volatile by Weight:** 54.1%

**VOC Content:** 378 grams/liter total product  
476 grams/liter less water and exempt  
0.41 lbs/can

**Legend:** N.A – Not Applicable  
N.E. – Not Established  
N.D.- Not Determined

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HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

**SAFETY DATA SHEET**  
Prepared by Duro Dyne January 30, 2014

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Trade name:** DURO DYNE WATER BASED ADHESIVE  
**Product Identifier:** WIT-1, WIT-5, WIT-55  
**Item #:** 5056, 5057, 5058  
**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**

**Emergency Overview:** Not classified as hazardous.  
**Physical State:** Liquid  
**Color:** White  
**Odor:** Slight  
**Relevant Routes of Exposure:** Skin, Eyes, Inhalation

**CAUTION:** **MAY CAUSE SLIGHT EYE,SKIN, OR RESPIRATORY TRACT IRRITATION ON REPEATED CONTACT**

**Potential Health Effects**

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system.  
**Skin Contact:** Prolonged and/or repeated skin contact may result in mild irritation or redness.  
**Eye Contact:** May cause slight irritation to eyes on contact.  
**Ingestion:** May cause gastrointestinal tract irritation if swallowed. Not expected under normal conditions of use.

**Existing Conditions Aggravated by Exposure:**

None known.  
This material is not considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200). See Section 11 for additional toxicological information.

### **3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Hazardous Components:** None  
**CAS #:** None  
**%:** None

### **4. FIRST-AID MEASURES**

**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.  
**Skin Contact:** Wash with soap and water. If symptoms develop and persist, get medical attention.  
**Eye Contact:** If irritation develops, flush eye immediately with large amounts of water. If irritation persists, seek medical attention or advice.  
**Ingestion:** Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting. If symptoms develop and persist, get medical attention. Never give anything by mouth to an unconscious person.

### **5. FIRE FIGHTING MEASURES**

**Flash Point:** >100.00°C (>212°F) Closed cup  
**Auto ignition Temperature:** Not applicable  
**Flammable/Explosive Limits-Lower:** Not applicable  
**Flammable/Explosive Limits-Upper:** Not applicable  
**Extinguishing Media:** Use extinguishing measures appropriate to local circumstances and the surrounding environment. Water spray or fog. Foam. Carbon dioxide. Dry chemical.  
**Special Fire Fighting Procedures:** Fire fighters should wear full-face; self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.  
**Unusual Fire and Explosion Hazards:** This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a moderate fire hazard. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.  
**Hazardous Combustion Products:** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### **6. ACCIDENTAL RELEASE MEASURE**

**Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.**

**Environmental Precautions:**

No special environmental precautions required. Do not allow material to contaminate ground water system.

**Clean Up Methods:**

Take up with liquid-absorbing material (sand). Wash spillage site thoroughly with soap and water or detergent solution. Dispose of according to Federal, State and local government regulations.

**7. HANDLING AND STORAGE**

**Handling:**

Avoid extreme temperatures. Protect from freezing. This material should not be spilled, discharged, or flushed into sewers or public waterways. Product contains low level of organic volatiles, which could accumulate in the unvented headspace of drums of bulk storage vessels. Open drums in well ventilated area. Avoid breathing vapors. Do not wear contact lenses.

**Storage:**

For safe storage, store between 1.0°C (33.8°F) and 37°C (98.6°F). Below temperature, limit the product will be irreversibly damaged and no longer usable. Above temperature, limit the product properties change. For information on product shelf life, please review labels on container or check the Technical Data Sheet.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.**

HAZARDOUS COMPONENTS	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
None	None	None	None	None

**Engineering Controls:**

Handle in accordance with good industrial hygiene and safety practice. General room ventilation is usually adequate.

**Respiratory Protection:**

Under normal conditions, respirator is not normally required. If ventilation is not sufficient to effectively prevent buildup of vapor/mist/fume/dust, appropriate NIOSH/MSHA respiratory protection must be provided.

**Eye/Face Protection:** Wear safety glasses with side shields. Do not wear contact lenses.

**Skin Protection:** Use of protective coveralls and long sleeves is recommended.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid.  
**Color:** White  
**Odor:** Slight.  
**Odor Threshold:** Not available  
**PH:** 4.0-6.0  
**Vapor Pressure:** 17.500000 mm hg (20.0°C (68°F)  
**Boiling Point/Range:** >100.00° C (>212°F)  
**Melting Point/Range:** 0.0°C (32°F)(Freezing Point)  
**Solubility in Water:** Miscible  
**Partition Coefficient (n-octanol/water):** Not Determined  
**Specific Gravity:** 1.1800  
**Vapor Density:** >1.0000 (Air=1)  
**Flash Point:** >100.00°C (>212°F) Closed Cup  
**Flammable/Explosive Limits-Lower:** Not applicable  
**Flammable/Explosive Limits-Upper:** Not applicable  
**Auto Ignition Temperature:** Not applicable  
**Evaporation Rate:** Same as water  
**Solubility in Water:** Miscible  
**Partition Coefficient (n-octanol/water):** Not Determined  
**VOC Content:** <3.0% (by weight)

## **10. STABILITY AND REACTIVITY**

**Stability:** Stable.

**Hazardous Reactions:** Will not occur.

**Hazardous Decomposition Products:** Under decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular hydrocarbons.

**Incompatible Materials:** This product may react with strong oxidizing agents.

**Conditions to Avoid:** Freezing. Product may be unstable if frozen.

## 11. TOXICOLOGICAL INFORMATION

Hazardous Components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
None	None	None	None

Hazardous Components	Health Effects / Target Organs
None	None

## 12. ECOLOGICAL INFORMATION

**Ecological Information:** No data available.

## 13. DISPOSAL CONSIDERATIONS

**Recommended Method of Disposal:** **Information provided is for unused product only.** Follow all local, state, federal and provincial regulations for disposal. This product is not a RCRA hazardous waste when discarded. Processing, use, or contamination of this product may change the hazard classification and waste management options.

**Hazardous Waste Number:** None identified.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR)

**Proper Shipping Name:** Not regulated  
**Hazard Class or Division:** None  
**Identification Number:** None  
**Packing Group:** None

### International Air Transportation (ICAO/IATA)

**Proper Shipping Name:** Not regulated  
**Hazard Class or Division:** None  
**Identification Number:** None  
**Packing Group:** None

### Water Transportation (IMO/IMDG)

**Proper Shipping Name:** Not regulated  
**Hazard Class or Division:** None  
**Identification Number:** None  
**Packing Group:** None

## **15. REGULATORY INFORMATION**

### **United States Regulatory Information**

**TSCA 8 (b) Inventory Status:**

All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

**TSCA 12 (b) Export Notification:**

None above reporting minimum

**CERCLA/SARA Section 302 EHS:**

None above reporting minimum

**CERCLA/SARA Section 311/312:**

None

**CERCLA/SARA Section 313:**

None above reporting minimum

**California Proposition 65:**

No California Proposition 65 listed chemicals are known to be present.

### **Canada Regulatory Information**

**CEPA DSL/NDSL Status:**

Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Records as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.

**WHMIS Hazard Class:**

Not controlled

## **16. OTHER INFORMATION**

**Date SDS Prepared:**

February 14, 2013

**Hazard Rating:**

Health: 1

Flammability: 0

Reactivity: 0

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MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: GlasGrip-901
Synonyms: Water-Based Adhesive

Manufacturer/Supplier
Carlisle Coatings & Waterproofing Incorporated
900 Hensley Lane
Wylie, TX 75098
Internet Address: http://www.ccwcompanies.com/
Fax Number: (972) 442-0076

Phone Numbers
Medical Emergency:
CHEMTREC (USA): (800) 424-9300
CHEMTREC (International):
MSDS Assistance: (972) 442-6545
Fax On Demand: NA
Technical Assistance: (888) 229-2199
Customer Service: (888) 229-0199

2. COMPONENT INFORMATION

Table with 4 columns: Component, CAS No., Percent Range, Hazardous in Blend. Rows include Ethylene Glycol and Methanol.

This product is not hazardous according OSHA 29 CFR 1910.1200.

Hazards:
Flammable/Combustible No Acute Toxin No Chronic Toxin No Carcinogen No
Pressure No Reactive No Exposure Limit Target Organ Other

2A. OTHER INGREDIENTS Greater than 3%

Table with 2 columns: Component, CAS No. Rows include Latex, Calcium Carbonate, and Clay.

3. HAZARDS IDENTIFICATION

Emergency and Hazards Overview:

May cause moderate irritation to eyes. May be harmful if swallowed. Read and understand all health and safety information on the product label and Material Safety Data Sheet before use.

Ratings

Health 1 Flammability 0 Reactivity 0

Primary Route of Exposure: Skin x Inhalation x Eye x Ingestion x

Health Effect Information

Eye Contact: May cause eye irritation if wiped or rubbed into eyes.

Skin Contact: May cause mild skin irritation on prolonged or repeated contact.

Inhalation: Breathing high concentrations of vapors may cause nausea & irritation of nose, throat, & respiratory tract. Respiratory symptoms associated with pre-existing lung disorders may be aggravated by exposure to this material.

Ingestion: Ingestion of large quantity may cause initial central nervous system stimulation, followed by



depression.

**Medical Conditions Aggravated by Exposure:** Prolonged exposure to vapors could aggravate pre-existing disorders in lungs, kidney and liver.

#### 4. FIRST AID INFORMATION

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**Eye Contact:** Flush with water for 15 minutes. Get medical attention immediately.

**Skin Contact:** Wipe off and wash skin with soap and water. Promptly remove contaminated clothing and wash before reuse.

**Inhalation:** Remove to fresh air. If breathing has stopped, start artificial respiration. Oxygen may be administered. Consult physician immediately

**Ingestion:** Do not induce vomiting unless directed to do so by a physician. Consult a physician immediately.

**Notes to Physician:** This product contains ethylene glycol, Hexahydro-1, 3,5-triethyl-s-triazine (not in a reportable amount).

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#### 5. FIRES AND EXPLOSION INFORMATION

##### Flammable Properties

**Flash Point:** No flash to boiling

**Test Method:** Closed cup

**Flame extension:** NA

**Test Method:** NA

##### Flammable Limits in Air

**Upper Percent:** NA

**Lower Percent:** NA

**Auto ignition Temperature:** NA

**Test Method:** NA

**NFPA Classification:** H 1 F 0 R 0

**Extinguishing Media:** CO<sub>2</sub>, foam, dry chemical or water spray.

##### Fire Fighting Measures

**Special Fire Fighting Procedures and Equipment:** Firemen must wear full-face air-supplied masks and full protective clothing.

**Unusual Fire and Explosion Conditions:** This product is not sensitive to physical shock or static discharge. Exposure of closed container to temperatures above the boiling point could cause pressure buildup and container rupture.

**Hazardous Combustion By-Products:** CO, CO<sub>2</sub>, unburned hydrocarbons, or nitrous oxides.

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#### 6. ACCIDENTAL RELEASE MEASURES

**Personnel Safeguards:** Evacuate non-essential personnel to safe areas. Clean-up responders should wear proper protective clothing and gloves before entering the affected area.

**Regulatory Notifications:** Certain component of this product is defined as hazardous according to U.S. EPA. Spill reporting requirements and reportable quantities vary by region.



Consult all applicable state and local regulations. For Canada, observe all precautions noted above.

**Containment and Clean up:** Prevent product from entering drinking water supplies or streams. Observe above precautions, collect liquid with inert, noncombustible material and remove for disposal.

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## 7. HANDLING AND STORAGE INFORMATION

**Handling:** Normal use condition doesn't produce respirable Silica. However, sanding, grinding, and burning might release respirable Silica. Keep out of reach of children. Launder contaminated clothing. Wash hands with soap and water after use, especially before eating or drinking.

**Storage:** Store in a dry, well ventilated environment away from heat, above 35 deg F and below 110 deg F. Keep containers closed when not in use. Do not pressurize, cut weld or grind containers.

### Empty Container Warnings

**Drums:** Drums may be reused after wash.

**Plastic:** Plastic containers may be reused after wash.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

### Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
Methanol	67-56-1	200 ppm OSHA PEL 200 ppm ACGIH TWA, 250 ppm STEL
Ethylene Glycol	107-21-1	50 ppm OSHA PEL/Ceiling

### Personal Protective Equipment

**Eye/Face Protection:** Wear safety goggles or face shield. Contact lenses should not be worn.

**Skin Protection:** Use protective rubber gloves (Hycron, neoprene, or nitrile).

**Respiratory Protection:** Provide adequate ventilation to maintain vapors below PEL/TWA. If vapor levels are exceeded, use NIOSH approved respirator, both during and immediately after application, until vapor levels are below limits.

**Personal Hygiene:** Avoid rubbing eyes during handling. Use good personal hygiene practices to avoid incidental ingestion.

### Engineering Controls / Work Practices

**Ventilation:** Provide local exhaust or area ventilation to maintain concentration of vapors below PEL/TWA.

**Other:** Source of clean water should be available in the work area for flushing eyes and skin. Wash thoroughly with soap and water after use and before eating.



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b> Black liquid paste	<b>Vapor Pressure:</b> 17 mm Hg @ 20°C
<b>Odor:</b> Typical latex with slight ammonia odor	<b>Vapor Density (air=1):</b> <air
<b>Physical state:</b> Liquid	<b>Percent Volatile by Weight:</b> 60 – 64
<b>pH:</b> 9.0 – 10.0	<b>Volatile Organic Content:</b> 71gpl (water excluded)
<b>DOT Corrosivity:</b> NA	<b>Molecular Weight:</b> NA
<b>Boiling Point:</b> 212°F	<b>Average Carbon Number:</b> NA
<b>Melting Point:</b> NA	<b>Viscosity @ 77 F:</b> 11,000 – 12,000 cps
<b>Specific Gravity:</b> 1.2	
<b>Pour Point:</b> NA	
<b>Solubility in Water:</b> Miscible with water	
<b>Octanol / Water Coefficient:</b> Log K <sub>ow</sub> = NA	

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## 10. STABILITY AND REACTIVITY INFORMATION

**Chemical Stability:** Stable

**Conditions to Avoid:** Avoid extreme heat, fire and temperature.

**Incompatible Materials to Avoid:** Avoid strong acids, strong oxidizers.

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## 10. TOXICOLOGICAL INFORMATION (will only print available data)

### *Ethylene Glycol*

**Primary Eye Irritation:** Irritating

**Primary Skin Irritation:** NA

**Acute Dermal Toxicity:** Product toxicity has not been determined.

**Subacute Dermal Toxicity:** NA

**Dermal Sensitization:** NA

**Inhalation Toxicity:** Product toxicity has not been determined.

**Inhalation Sensitization:** NA

**Oral Toxicity:** Product toxicity has not been determined. Following are component data:

LD<sub>50</sub>, Ethylene Glycol: Rat 4,000 mg/kg

**Mutagenicity:** NA

**Carcinogenicity:** NA

**Reproductive Toxicity:** Product toxicity has not been determined. Following are component data:

Ethylene Glycol: Pregnant Rat 1.25g/kg and above: increased malformed fetus

Pregnant Mice 750 mg/kg and above: increased malformed fetus

**Teratogenicity:** NA

**Immunotoxicity:** NA

**Neurotoxicity:** NA

**No other toxicological information available**

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## 11. ECOLOGICAL INFORMATION

### *Ethylene Glycol*

**Aquatic Toxicity:** Not known

**Terrestrial Toxicity:** Not known

**Chemical Fate and Transport:** Not known

**No other ecological information available**

### 13. DISPOSAL INFORMATION

**Regulatory Information:** Consult all regulations (federal, state, provincial, local etc.) or a qualified waste disposal firm when characterizing waste for disposal.

**Waste Disposal Methods:** Recover free liquid. Absorb residue and dispose of according to local, state and Federal EPA regulation. Empty container: may contain explosive vapors. Do Not cut, puncture or weld on or nearby.

### 14. TRANSPORTATION INFORMATION

**U.S. Department of Transportation (DOT)**

**Highway / Rail (Bulk):** Not flammable, other regulated substances, liquid (contains methanol)

**Highway / Rail (Non-Bulk):** Not flammable, other regulated substances, liquid (contains methanol)

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.

**Other:** No other information available.

### 15. Regulatory Information

#### Regulatory Lists

**U.S. TSCA Inventory:** All components of this material are on the US TSCA Inventory or exempt from listing on the TSCA Inventory.

**Sara Section 313:** This product contains the following Sara, Title III, Section 313 Chemicals:

Chemical	CAS Number	Percent in Product
Methanol	67-56-1	0.5 - 2
Ethylene Glycol	107-21-1	0.5 - 2

**IARC Group:** NA

#### Regulatory Lists Searched

This product contains a mixture of one or more components found on the following State List at or above OSHA de minimis quantities

**Health & Safety:** NA

**Environmental:** NA

**International:** NA

**State:** FL, MA, MN, PA, NJ, WA

**National Inventories:** NA

**SARA 311 / 312 Categories (For the Chemicals above)**

Acute: Yes Chronic: Yes Fire: Yes Pressure: No Reactive: No

Regulated: No

**California Proposition 65 Information:** Warning! None in the list

**Canadian WHMIS Classification**



**Methanol**

**Class:** Class B2 and D2B

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR). This MSDS contains all the information required by the CPR.

**Canadian Environmental Protection Act (CEPA)**

All reportable chemical substance is listed on the Domestic Substances List (DSL) or otherwise complies with CEPA new substance notification requirements.

**National Pollution Release Inventory (NPRI)**

This product contains the following chemical subject to the reporting requirements of the CEPA subsection 16(1), NPRI.

<b>Chemical</b>	<b>CAS Number</b>	<b>Percent in Product</b>
Methanol	67-56-1	0.5 - 2
Ethylene Glycol	107-21-1	0.5 - 2

**Other Regulations:** No other information available.

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**16. OTHER INFORMATION**

**Health and Environmental Label Language**

All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) inventory or exempt from listing on the TSCA inventory. All ingredients contained in this product comply with the requirements of the Canadian Environmental Protection Act (CEPA) and are listed on the Domestic Substance List (DSL) or Non-Domestic Substance List (NDSL)

**MSDS Revisions**

**Previous Version Date:** 03/20/02

**Section**

**Old Information:** 8-part version

**New Information:** 16-part version

**Prepared By:** R&D Department

**Date:** 06/10/04

**Disclaimer of Warranty:** The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.

Issued: 06/10/04  
Supersedes: 03/20/02  
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## Safety Data Sheet

Material Name: DT Tape

Product #'s: 304164, 304165

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### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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**Material Name**

Hardcast DT Tape – 3 inch and 4 inch wide

**Synonyms**

DT Tape, Two Part Sealing System

**Chemical Family**

Gypsum coated fabric

**Product Use**

Duct sealant system

**Restrictions on Use**

For industrial use only.

**Manufacturer Information**

Carlisle HVAC Products  
900 Hensley Lane  
Wylie, TX 75098  
www.carlislehvac.com

**Medical Emergency:**

CHEMTREC (USA): (800) 424-9300

MSDS Assistance – 972-442-6545

Technical Assistance – 888-229-2199

Customer Service – 888-229-0199

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### Section 2 - HAZARDS IDENTIFICATION

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The products listed above are considered “articles” as defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200 and are considered “manufactured articles” as defined by the Canadian Hazardous Products Act (R.S.C., 1985, c. H-3) and as such are exempt from the requirement for an SDS. Under normal conditions of use, these products do not pose a hazard in the workplace or to the building occupants. Since these products or “articles” pose no health hazard under normal conditions of use, there is no requirement for an SDS. In addition, “articles” are not included in the scope of the Globally Harmonized System (GHS). For that reason, the GHS labeling elements are not included on this SDS. Although these products are not subject to the OSHA or Canadian standards or GHS labelling elements, Carlisle would like to disclose as much health and safety information as possible to ensure that these products are handled and used properly. This SDS contains information critical to the safe handling and proper use of the products. It is recommended that this SDS should be retained and made



## Safety Data Sheet

**Material Name:** DT Tape

**Product #'s:** 304164, 304165

available to the users of these products. In addition, the recommendations for handling and use of these products should be included in worker training programs.

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Not classified

**GHS Label Elements**

**Symbol(s)**

None required

**Signal Word**

None required

**Hazard Statement(s)**

None required

**Precautionary Statement(s)**

None required

**Prevention**

None

Wash thoroughly after handling

**Response**

**Storage**

Store locked up

**Disposal**

Dispose of contents/container in accordance with local/regional/national/international regulations

**Other Hazards**

No additional information available.

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### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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CAS	Component Name	Percent
Proprietary	Duct Sealant	100%

---

### Section 4 - FIRST AID MEASURES

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**Description of Necessary Measures**

None known.

**Inhalation**

Cannot be inhaled under normal circumstances.

## Safety Data Sheet

**Material Name: DT Tape**

**Product #'s: 304164, 304165**

### **Skin**

Repeated contact with skin may result in irritation due to adhesive nature of product. Protective creams may be useful. If skin irritation occurs, get medical advice/attention.

### **Eyes**

Cannot get into eyes under normal circumstances.

### **Ingestion**

Cannot be ingested under normal circumstances.

### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically and supportively.

### **Most Important Symptoms/Effects**

#### **Acute**

None known

#### **Delayed**

None known

### **Note to Physicians**

Nothing known to note

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## Section 5 - FIRE FIGHTING MEASURES

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### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

#### **Unsuitable Extinguishing Media**

None reported.

### **Special Hazards Arising from the Chemical**

None known

### **Hazardous Combustion Products**

oxides of carbon, oxides of nitrogen, hydrocarbons

### **Advice for firefighters**

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure. Do not inhale any material or combustion by-products.

### **Fire Fighting Measures**

Remove product from area of fire. Stay upwind and keep out of low areas.

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## Section 6 - ACCIDENTAL RELEASE MEASURES

---

### **Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment, see Section 8.

### **Methods and Materials for Containment and Cleaning Up**

Sweep up and dispose in accordance with all applicable regulations.

## Safety Data Sheet

Material Name: DT Tape

Product #'s: 304164, 304165

### Environmental Precautions

None known

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## Section 7 - HANDLING AND STORAGE

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### Precautions for Safe Handling

None known. Suggest wearing protective gloves. Wash thoroughly after handling. KEEP OUT OF REACH OF CHILDREN.

### Conditions for Safe Storage, Including any Incompatibilities

Store locked up

Store in a well-ventilated place. Store above 6 C. Store below 45 C.

### Incompatible Materials

None known

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Component Exposure Limits

No known exposure limits

### Biological limit value

There are no biological limit values for any of this product's components.

### Engineering Controls

Provide adequate ventilation. Ensure compliance with applicable exposure limits.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

No special protection needed.

#### Skin Protection

Wear appropriate work clothing.

#### Respiratory Protection

None required.

#### Glove Recommendations

Wear protective gloves.

---

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	White coated fabric	Physical State	solid
Odor	None	Color	White
Odor Threshold	Not available	pH	Not available

## Safety Data Sheet

**Material Name:** DT Tape

**Product #'s:** 304164, 304165

<b>Melting Point</b>	Not available	<b>Boiling Point</b>	Not available
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	Not available	<b>Flash Point</b>	Not available
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	Not available
<b>Water Solubility</b>	Not soluble	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not available
<b>Density</b>	>1.00 (relative)	<b>VOC</b>	None

**Other Information**

No additional information available.

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### Section 10 - STABILITY AND REACTIVITY

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**Reactivity**

No reactivity hazard is expected.

**Chemical Stability**

Stable under normal conditions of use.

**Possibility of Hazardous Reactions**

Hazardous polymerization will not occur.

**Conditions to Avoid**

None known

**Incompatible Materials**

None known

**Hazardous decomposition products**

oxides of carbon, oxides of nitrogen, hydrocarbons

---

## Safety Data Sheet

Material Name: DT Tape

Product #'s: 304164, 304165

### Section 11 - TOXICOLOGICAL INFORMATION

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#### Information on Likely Routes of Exposure

##### Inhalation

Unlikely under normal conditions

##### Skin Contact

May cause mild skin irritation with repeated contact.

##### Eye Contact

Unlikely under normal conditions

##### Ingestion

Unlikely under normal conditions.

#### Acute and Chronic Toxicity

No acute or chronic effects known.

#### Immediate Effects

No immediate effects known.

#### Delayed Effects

No delayed effects known.

#### Irritation/Corrosivity Data

May cause skin irritation with repeated contact. No other effects known.

#### Respiratory Sensitization

No data available.

#### Dermal Sensitization

No data available.

#### Component Carcinogenicity

No data available

#### Germ Cell Mutagenicity

No data available.

#### Reproductive Toxicity

No data available..

#### Specific Target Organ Toxicity - Single Exposure

No data available

#### Specific Target Organ Toxicity - Repeated Exposure

No data available

#### Aspiration hazard

No data available.

#### Medical Conditions Aggravated by Exposure

No data available.

#### Additional Data

No additional information available.

## Safety Data Sheet

Material Name: DT Tape

Product #'s: 304164, 304165

---

### Section 12 - ECOLOGICAL INFORMATION

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**Ecotoxicity**

No data available

**Component Analysis - Aquatic Toxicity**

No data available

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information available.

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### Section 13 - DISPOSAL CONSIDERATIONS

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**Disposal Methods**

Dispose of contents/container in accordance with local/regional/national/international regulations.

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### Section 14 - TRANSPORT INFORMATION

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**US DOT Information:**

UN/NA #: Not regulated

**IATA Information:**

UN#: Not regulated

**TDG Information:**

UN#: Not regulated

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### Section 15 - REGULATORY INFORMATION

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**U.S. Federal Regulations**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan:

# Safety Data Sheet

Material Name: DT Tape

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None

### SARA Section 311/312 (40 CFR 370 Subparts B and C)

Acute Health: No Chronic Health: No Fire: No Pressure: No Reactivity: No

### U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

None known

### The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

None known.

### Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL:

None known

### Component Analysis - Inventory

Finished product is not hazardous. Component analysis not required.

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
No	No	No	No	No	No	No	No	No	No	No	No

## Section 16 - OTHER INFORMATION

### HMIS Rating

Health: 0 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

### NFPA Ratings

Health: 0 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Summary of Changes

New SDS: December 15, 2015

### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability

## Safety Data Sheet

**Material Name: DT Tape**

**Product #'s: 304164, 304165**

Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

### Other Information

#### Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.



