

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION
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PRODUCT NAME: Sealant DG #4 (L2904)

MANUFACTURER: CommScope
DIVISION: CommScope
ADDRESS: 8000 Purfoy Road
 Fuquay-Varina, NC 27526

SUPPLIERS: CommScope
 Unit 4, 6-7 Gilda Court
 Mulgrave, Victoria 3170

EMERGENCY TELEPHONE NUMBERS: AU: +61 3 85616400
 US: CHEMTREC 1-800-424-9300
 CN: CHEMTREC 1-800-424-9300
 Outside North America: 1-703-527-3887 (Collect calls accepted)

NON-EMERGENCY HEALTH/SAFETY INFORMATION: AU: +61 3 85616400 (Available after business hours)
 North America: 1- 888-557-8901

CHEMICAL FAMILY: Polymer Sealant (Styrene Block Co-Polymer)

PRODUCT USE: Used for sealing cable and communication connections and protecting components from water and weather-related degradation. For Consumer or Industrial use as indicated on package label.

A major ingredient in this product is considered hazardous according to the Safe Work Australia Hazardous Substance Information System (HSIS), so an SDS is required for this product. This product has been classified in accordance with the "National Code of Practice for the Labelling of Workplace Substances" (NOHSC:2012(1994), as amended in 2006. The classification is based on hazardous ingredients in the mixture; however, when used as recommended or intended, or under ordinary conditions, it does not emit a hazardous substance upon drying/curing, and should not present a health and safety exposure or other hazard. If heated, charred, burned, or shredded the health and safety information presented below may apply. This safety data sheet (SDS) has been prepared in accordance with NOHSC:2011(2003).

Additional Information

See Section 10 for temperatures to avoid

SECTION 2: HAZARDS IDENTIFICATION GHS
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GHS Classification: Not applicable to Polymer Sealants. The following applies to the main ingredient.

Health	Environmental	Physical
Acute Toxicity – NL Eye Corrosion/Irritation – NL Skin Corrosion/Irritation – NL Respiratory or Skin Sensitization – NL Mutagenicity – NL Carcinogenicity – 1B (See section 11) Reproductive/Developmental – NL Target Organ Toxicity – NL	Aquatic Toxicity – NL	Flammability – NL (Not flammable or combustible)

NL: not listed

Labelling information, according to the Work Safe Australia HSIS and NOHSC:2012(1994), as amended in 2006.

Risk Statements	Safety Statements
R45: May cause cancer.* Other recommended safety statement: Product may emit toxic or irritating gases or vapours if overheated or burned.	S53: Avoid exposure – obtain special instructions before use. S45: In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible). Other recommended safety statement:

<p>*This risk phrase applies to hydrotreated paraffinic distillates, based on EU data. However, this product uses severely hydrotreated paraffinic distillates, which are not carcinogens (see Section 11).</p>	<p>Do not overheat or burn this product. Avoid breathing smoke if product is burned or overheated.</p>
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EMERGENCY OVERVIEW: This product is not irritating to the skin and does not generate irritating or toxic gases and vapours during normal use. If overheated or burned, the smoke produced is irritating and may be hazardous. Avoid breathing smoke if product is burned or overheated. See Section 10.

POTENTIAL HEALTH EFFECTS:

- EYES:** Direct eye contact may cause redness and discomfort.
- SKIN:** Skin irritation is unlikely, although prolonged contact is not recommended. This product is not known to be absorbed through the skin.
- INGESTION:** Low ingestion hazard related to normal use.
- INHALATION:** No irritation is expected from normal use of this product. Breathing smoke from overheated or burned product may be irritating to the respiratory tract.

ACUTE HEALTH HAZARDS:

Prolonged contact with the skin may result in mild skin irritation.

CHRONIC HEALTH HAZARDS:

None known.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None known.

Additional Information

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS (Chemical/Common Names):	CAS No.:	% by Wt:
Heavy paraffinic distillate oil, severely hydrotreated	64742-54-7	85-100
Styrene block co-polymers, tackifiers, pigments	Non-hazardous	<20
NA – Not applicable/NE – Not Established/ND – Not determined		

Additional Information

None.

SECTION 4: FIRST AID MEASURES

- EYE CONTACT:** If eye irritation occurs, hold eyelids apart and flush affected area(s) with clean water. Seek medical attention.
- SKIN CONTACT:** Thoroughly wash affected area(s) with soap and water. If irritation develops and persists, seek medical attention.
- INGESTION:** Not a normal route of exposure. However, if swallowed, drink plenty of water and seek medical attention.
- INHALATION:** If respiratory symptoms or other symptoms of exposure develop, move victim to fresh air. If symptoms persist, seek medical attention. If breathing difficulties develop, qualified personnel should administer oxygen. Seek immediate medical attention. If victim is not breathing, immediately begin artificial respiration. Keep victim warm and quiet; seek immediate medical attention.

Additional Information

None.

SECTION 5: FIRE-FIGHTING MEASURES**SUITABLE EXTINGUISHING MEDIA:**

Dry chemical, carbon dioxide, water, foam.

SPECIAL FIRE FIGHTING PROCEDURES & PROTECTIVE EQUIPMENT:

Firefighters should wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode when fighting fires. Use water spray to cool nearby containers and structures exposed to fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

See decomposition products listed in Section 10.

SPECIFIC HAZARDS IN CASE OF FIRE:

None Known.

Additional Information

None.

SECTION 6: ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS:**

Wear appropriate personal protection when responding, as specified under Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION below.

ENVIRONMENTAL PRECAUTIONS:

Prevent spilled material from entering sewers and waterways.

SPILL CONTAINMENT & CLEANUP METHODS/MATERIALS:

Add absorbent to spill area. Sweep or shovel spilled material and absorbent and place in approved container.

Additional Information

None.

SECTION 7: HANDLING AND STORAGE**PRECAUTIONS FOR SAFE HANDLING AND STORAGE:**

- Keep containers tightly closed when not in use.
- Do not handle near heat, sparks, or open flames. Avoid temperatures above 300°F (149°C)
- Protect containers from physical damage to avoid leaks and spills

OTHER PRECAUTIONS (e.g.; Incompatibilities):

- Packaging/materials to avoid: Non-waxed fiber drums.
- Do not heat or weld empty containers.

Additional Information

None.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING CONTROLS/SYSTEM DESIGN INFORMATION:**

Use with adequate ventilation.

VENTILATION:

General dilution ventilation is acceptable.

RESPIRATORY PROTECTION:

Not required for normal conditions of use. See also special firefighting procedures (Section 5).

EYE PROTECTION:

Wear protective glasses or goggles.

SKIN PROTECTION:

Wear chemical resistant gloves as a standard procedure to prevent skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

None required under normal use conditions.

EXPOSURE GUIDELINES & LIMITS:

ACGIH	Threshold Limit Value (TLV)	Oil mist	5 mg/m ³
	Short-Term Exposure Limit	Oil mist	NE
Safe Work	Exposure Standard – TWA	Oil mist	5 mg/m ³
Australia	Short Term Exposure Limit (STEL)	Oil mist	NE

TWA – 8-Hour Time Weighted Average/ NE – Not Established/mg/m³ – Milligrams per cubic meter of air

Additional Information

None.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Sticky Gel, Clear Translucent with a Blue Tint
ODOR:	None
ODOR THRESHOLD:	NA
PHYSICAL STATE:	Semisolid gel
pH:	Not applicable
BOILING POINT:	Not determined
MELTING POINT:	Not determined
FREEZING POINT:	Not determined
VAPOR PRESSURE (mm Hg):	Negligible
VAPOR DENSITY (AIR = 1):	Not determined
SPECIFIC GRAVITY (H₂O = 1):	Approximately 0.9
EVAPORATION RATE (Butyl acetate=1):	Negligible
SOLUBILITY IN WATER:	Negligible
FLASH POINT:	>200°F (>93°C)
AUTO-IGNITION TEMPERATURE:	Not determined
LOWER EXPLOSIVE LIMIT (LEL):	Not determined
UPPER EXPLOSIVE LIMIT (UEL):	Not determined
PARTITION COEFFICIENT:	Not determined
VISCOSITY (centipoise @ 25° C):	Not determined
DECOMPOSITION TEMPERATURE:	Not determined

FLAMMABILITY/HMIS HAZARD CLASSIFICATIONS (US/CN/EU):

HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

Additional Information

None.

SECTION 10: STABILITY AND REACTIVITY

STABILITY	This chemical intermediate is stable under normal conditions at ambient temperature.
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong oxidizers.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	Thermal decomposition will produce silicon dioxide, carbon monoxide, carbon dioxide, formaldehyde, and unidentified organic compounds. Formaldehyde may be produced if this material is overheated to over 149°C.
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID:	No information available.

Additional Information

None.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY (Test Results Basis and Comments):

Severely hydrotreated heavy paraffinic distillate

LD₅₀ (Oral, Rat): Greater than 5000 mg/kg

LC₅₀ (Dermal, Rabbit): Greater than 5000mg/kg

SUBCHRONIC/CHRONIC TOXICITY (Test Results and Comments):

None of the ingredients are listed by OSHA, NTP, or IARC as a carcinogen. The Safe Work Australia HSIS references the European Union listing for hydrotreated heavy paraffinic distillate as a Category 2 carcinogen ("Substances which should be regarded as if they are carcinogenic to man"). Current GHS Category: 1B.

Additional Information

Severely hydrotreated heavy paraffinic distillate oils are not controlled products. This product does not contain any mildly hydrotreated heavy paraffinic distillate oils, which are believed to contain some carcinogenic petroleum impurities. The supplier of the severely hydrotreated heavy paraffinic distillate states that the product contains less than 3% polycyclic aromatic hydrocarbons (PAHs). No carcinogenic PAH compounds exceeded 0.1% by weight.

SECTION 12: ECOLOGICAL INFORMATION

PERSISTENCE & DEGRADABILITY:

No data available on biodegradation.

BIO-ACCUMULATIVE POTENTIAL (Including Mobility):

No data available on bioaccumulation.

AQUATIC TOXICITY (Test Results & Comments):

LC₅₀ (Freshwater fish): Not evaluated

LC₅₀ (Marine fish): Not evaluated

Additional Information

- No known effects on stratospheric ozone depletion.
- Volatile organic compounds: Not applicable for oils due to negligible evaporation rate.
- Water Endangering Class (WGK): NA

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Follow local, State/Provincial, and Federal/National regulations applicable to as-used, end of-life characteristics to be determined by end-user.

HAZARDOUS WASTE CLASS/CODE:

AU – Not applicable to material as manufactured for distribution into commerce.

US – Not applicable to material as manufactured for distribution into commerce.

CN – Not applicable to material as manufactured for distribution into commerce.

EWC – Not applicable to material as manufactured for distribution into commerce.

Additional Information

Not Included – Dispose/Recycle as allowed by local jurisdiction for the end-of-life characteristics as-disposed

SECTION 14: TRANSPORT INFORMATION

UN ID No.: – Not applicable

GROUND – US-DOT/CAN-TDG/EU-ADR/APEC-ADR:

Proper Shipping Name	Sealant – Not Regulated as Dangerous Goods.		
Hazard Class	NA	ID Number	NA
Packing Group	NA	Labels	NA

AIRCRAFT – ICAO-IATA:

Proper Shipping Name	Sealant – Not Regulated as Dangerous Goods.		
Hazard Class	NA	ID Number	NA
Packing Group	NA	Labels	NA

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VESSEL – IMO-IMDG:

Proper Shipping Name	Sealant – Not Regulated as Dangerous Goods.		
Hazard Class	NA	ID Number	NA
Packing Group	NA	Labels	NA

HAZCHEM CODE: – Not applicable.

Additional Information

- Transport requires proper packaging and paperwork, including the Nature and Quantity of goods, per applicable origin/destination/customs points as-shipped. Statement of Jurisdictional/Modal Special Provision(s) required.
- Not restricted for any mode of international transport as finished goods.
- Not a Marine Pollutant as-shipped per IMO/IMDG.

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS

All components are listed on the Australia Inventory of Chemical Substances (AICS), TSCA (US); EINECS/ELINCS; and DSL (Canada), unless noted otherwise below.

US FEDERAL REGULATIONS:

TSCA Section 8b – Inventory Status: All chemicals comprising this product are either exempt or listed on the TSCA Inventory.

TSCA Section 12b – Export Notification: If the product contains chemicals subject to TSCA Section 12b export notification they are listed below

<u>Chemical</u>	<u>CAS #</u>
None	NA

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT)

Chemicals present in the product which could require reporting under the statute:

<u>Chemical</u>	<u>CAS #</u>
None	NA

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

If the product contains chemicals subject to the reporting requirements of Section 313 of SARA Title III, they are listed below.

<u>Chemical</u>	<u>CAS #</u>	<u>% wt</u>
None	NA	NA

CERCLA SECTION 311/312 HAZARD CATEGORIES: Note that this product is exempt from these regulations

Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No
Immediate Hazard	No
Delayed Hazard	No

STATE REGULATIONS (US)

California Proposition 65

The following chemicals identified to exist in the product as distributed into commerce are known to the State of California to cause cancer, birth defects, or other reproductive harm:

<u>Chemical</u>	<u>CAS #</u>	<u>% wt</u>
None	NA	NA

California Consumer Product Volatile Organic Compound Emissions

This product may be regulated as a Consumer Product for purposes of CARB/OTC VOC Regulations, as-sold for the intended purpose and into the industrial/Commercial supply chain (See Section 12 for VOC information)

INTERNATIONAL REGULATIONS (Non-US)

Canadian Domestic Substance List (DSL)

All ingredients remaining in the product as distributed into commerce are included on the Domestic Substances List.

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WHMIS Classifications

This is not considered to be a controlled product. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

NPRI and Ontario Regulation 127/01

This product contains the following chemicals subject to the reporting requirements of Canada NPRI and/or Ont. Reg. 127/01:

<u>Chemical</u>	<u>CAS #</u>	<u>% wt</u>
None	NA	NA

European Inventory of Existing Commercial Chemical Substances (EINECS)

All ingredients remaining in the product as distributed into commerce are exempt from, or included on, the European Inventory of Existing Commercial Chemical Substances.

European Communities (EC) Hazard Classification according to directives 1272/2008/EC—Classification, Labelling and Packaging of Substances and Mixtures and 98/24/EC-Chemical Agents at Work.

Please refer to the GHS Classifications and hazard/precaution statements in Section 2.

Additional Information

This product may be regulated under additional regulations and laws not identified above, such as for uses other than described or as-designed/as-intended by the manufacturer, or for distribution into specific domestic destinations.

SECTION 16: OTHER INFORMATION**OTHER INFORMATION**

Distribution into Quebec to follow Canadian Controlled Product Regulations (CPR) 24(1) and 24(2).

Distribution into the EU to follow applicable Directives to the Use, Import/Export of the product as-sold.

REFERENCES:

1. ACGIH (2010), 2010 TLVs and BEIs Based on the Documentation of the Threshold Limit Values and Biological Exposure Indices, American Conference of Governmental Industrial Hygienists, Cincinnati, Ohio.
2. ACT (2010), "Dangerous Substances Act 2004 (A2004-7)", Republication No 32 (RI), Australian Capital Territory, Canberra City, Effective: 2 April 2010.
3. IARC (2010) "IARC Monographs on the Evaluation of Carcinogenic Risks to Humans," Volume 93, in preparation, International Agency for Research on Cancer, World Health Organization, Lyon, France.
4. NOHSC (1995), "Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment," Standard NOHSC:1003(1995), National Occupational Health and Safety Commission, Australian Government Publishing Service, Canberra.
5. NOHSC (1995), "Guidance Note on the Interpretation of Exposure Standards for Atmospheric Contaminants in the Occupational Environment," Standard NOHSC:3008(1995), National Occupational Health and Safety Commission, Australian Government Publishing Service, Canberra.
6. NOHSC (2003), "National Code of Practice for the Preparation of Material Safety Data Sheets," Standard NOHSC:2011(2003), National Occupational Health and Safety Commission, Australian Government Publishing Service, Canberra.
7. NOHSC (1995), "National Model Regulations for the Control of Scheduled Carcinogenic Substances," Standard NOHSC:1011(1995), National Occupational Health and Safety Commission, Australian Government Publishing Service, Canberra.
8. NTC (2007), Australian Code for the Transport of Dangerous Goods by Road and Rail (7th Edition), National Transport Commission, Level 15, 628 Bourke Street, Melbourne VIC 3000.
9. Safe Work Australia (2006), "National Model Regulations for the Control of Workplace Hazardous Substances," Standard NOHSC:1005(1994), as amended in 2006.
10. Safe Work Australia (2006), "National Code of Practice for the Labelling of Workplace Substances," Standard NOHSC:2012(1994), as amended in 2006, National Occupational Health and Safety Commission, Australian Government Publishing Service, Canberra.
11. Safe Work Australia (2010), "Hazardous Substances Information System," <http://hsis.ascc.gov.au/SearchHS.aspx>, accessed February 9, 2011. Safe Work Australia (2010), Hazardous Substances Information System.

MSDS/SDS PREPARATION INFORMATION:

DATE OF ISSUE: **11 February 2011**

SUPERCEDES **All other versions**

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