



Revision Number: 007.1

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1. IDENTIFICATION

Product name:	LOCTITE S 563R known as Dorus S 563R	IDH number:	748018
Product type/ Recommended use:	Adhesive	Item number:	748018
Restriction of Use:	None identified	Region:	Canada
Company address:	Contact information: Telephone: +1 (905) 814-6511 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com		
Henkel Canada Corporation Meadowpine Boulevard 2515 Mississauga, Ontario L5N 6C3			

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: H225 - HIGHLY FLAMMABLE LIQUID AND VAPOUR.
 H304 - MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
 H315 - CAUSES SKIN IRRITATION.
 H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.
 H319 - CAUSES SERIOUS EYE IRRITATION.
 H334 - MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING DIFFICULTIES IF INHALED.
 H336 - MAY CAUSE DROWSINESS OR DIZZINESS.
 H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
 H373 - MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	2
SKIN IRRITATION	2
EYE IRRITATION	2A
RESPIRATORY SENSITIZATION	1
SKIN SENSITIZATION	1
REPRODUCTIVE TOXICITY	2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	2
ASPIRATION HAZARD	1

PICTOGRAM(S)



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Precautionary Statements

Prevention:	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, sparks, open flames, hot surfaces - no smoking. P233 - Keep container tightly closed. P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P260 - Do not breathe vapors, mist, or spray. P264 - Wash affected area thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves, clothing, eye and face protection. P284 - [In case of inadequate ventilation] wear respiratory protection.
Response:	P301+P310 - IF SWALLOWED: Immediately call a physician or poison control center. P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. P304+P340+P312 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical attention. P331 - Do NOT induce vomiting. P333+P313 - If skin irritation or rash occurs: Get medical attention. P337+P313 - If eye irritation persists: Get medical attention. P342+P311 - If experiencing respiratory symptoms: Call a poison center or physician. P362+P364 - Take off contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use foam, dry chemical or carbon dioxide to extinguish. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
Storage:	P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.
Disposal:	

Other hazards Not available.

Classification complies with Canadian Hazardous Products Regulations and is consistent with the provision of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS Number	Weight %*
acetone	67-64-1	30 - 60
n-Hexane	110-54-3	10 - 30
Mix Heptane, branched, cyclic and linear /Naphtha (petroleum), hydrotreated light / Solvent naphtha (petroleum), light aliph.	31394-54-4	10 - 30
Toluene	108-88-3	5 - 10
Distillates (petroleum), hydrotreated light paraffinic, <3% DMSO	64742-55-8	1 - 5
Formaldehyde, polymer with p-tert-butylphenol and phenol	28453-20-5	1 - 5
Magnesium oxide	1309-48-4	1 - 5
rosin	8050-09-7	0.1 - 1

* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST AID MEASURES

First Aid Measures by likely routes of exposure

Inhalation:	Move to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.
Skin contact:	Immediately wash skin thoroughly with soap and water. Remove contaminated clothing and footwear. Get immediate medical attention.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical attention.
Ingestion:	DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention.
Most important symptoms and effects (acute and delayed):	The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.
Indication of any immediate medical attention / special treatment needed:	Not available.

5. FIRE FIGHTING MEASURES

Extinguishing media:	Foam, dry chemical or carbon dioxide.
Improper extinguishing agents:	Not available.
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
Unusual fire or explosion hazards:	Vapors are heavier than air and may travel along the ground or be moved by ventilation and subsequently ignited by heat, pilot lights or other ignition sources at locations distant from the material handling point. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention.
Hazardous combustion products:	Thermal decomposition can lead to release of irritating gases and vapors. Smoke. Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

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

Environmental precautions:	Isolate area. Keep unnecessary personnel away. Prevent further leakage or spillage if safe to do so. Prevent contamination of soil and water.
Clean-up methods:	Remove all sources of ignition. Use non-sparking tools for clean-up. Wear suitable protective clothing, gloves and eye/face protection. Wear suitable respiratory protection. Avoid skin contact and inhalation of vapors during disposal of spills. Confine in small area; use absorbent to clean up. Place in container for disposal with accordance with federal, state and local regulations.

7. HANDLING AND STORAGE

Handling: Do not handle or store near an open flame, heat or other sources of ignition. Avoid breathing vapors or mists of this product. Wear suitable protective clothing, safety glasses and gloves. Avoid skin and eye contact. Use proper bonding and/or grounding procedures. Keep container closed.

Storage: Store in a cool, dry, well-ventilated area.

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 Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
acetone	250 ppm TWA 500 ppm STEL	1,000 ppm (2,400 mg/m3) PEL	None	None
n-Hexane	50 ppm TWA (SKIN)	500 ppm (1,800 mg/m3) PEL	None	None
Mix Heptane, branched, cyclic and linear /Naphtha (petroleum), hydrotreated light / Solvent naphtha (petroleum), light aliph.	400 ppm TWA 500 ppm STEL	None	None	None
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None
Distillates (petroleum), hydrotreated light paraffinic, <3% DMSO	5 mg/m3 TWA Inhalable fraction.	5 mg/m3 PEL Mist.	None	None
Magnesium oxide	10 mg/m3 TWA Inhalable fraction.	15 mg/m3 PEL Total particulate. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
Hazardous Component(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
acetone	250 ppm TWA 500 ppm STEL	1,000 ppm (2,400 mg/m3) PEL	None	None
n-Hexane	50 ppm TWA (SKIN)	500 ppm (1,800 mg/m3) PEL	None	None
Mix Heptane, branched, cyclic and linear /Naphtha (petroleum), hydrotreated light / Solvent naphtha (petroleum), light aliph.	400 ppm TWA 500 ppm STEL	None	None	None
Toluene	20 ppm TWA	200 ppm TWA 300 ppm Ceiling 500 ppm MAX. CONC 10 minutes	None	None
Distillates (petroleum), hydrotreated light paraffinic, <3% DMSO	5 mg/m3 TWA Inhalable fraction.	5 mg/m3 PEL Mist.	None	None
Magnesium oxide	10 mg/m3 TWA Inhalable fraction.	15 mg/m3 PEL Total particulate. 50 MPPCF TWA Total dust. 5 mg/m3 TWA Respirable fraction. 15 mg/m3 TWA Total dust. 15 MPPCF TWA Respirable fraction.	None	None
rosin	0.001 mg/m3 TWA (as total Resin Acids) Inhalable fraction. (Dermal sensitization) (Respiratory sensitization)	None	None	None

Engineering controls:

Work should be done in an adequately ventilated area (i.e., ventilation sufficient to maintain concentrations below one half of the PEL and other relevant standards). Local exhaust ventilation is recommended when general ventilation is not sufficient to control airborne contamination.

Respiratory protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respirator use (29 CFR 1910.134).

Eye/face protection: Safety goggles or safety glasses with side shields. Wear face shield as necessary when spraying.

Skin protection: Use impermeable gloves and protective clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Red
Odor:	Solvent
Odor threshold:	Not available.
pH:	Not applicable
Vapor pressure:	Not determined
Boiling point/range:	54 - 112 °C (129.2 - 233.6 °F)
Melting point/ range:	Not determined
Density/Relative density:	0.79
Relative vapor density:	Heavier than air.
Flash point:	< -26.10 °C (< -14.98 °F) calculated
Flammable/Explosive limits - lower:	1.2 % (Acetone)
Flammable/Explosive limits - upper:	13 % (Acetone)
Autoignition temperature:	Not determined
Flammability:	Not applicable
Evaporation rate:	Slower than diethyl ether.
Solubility:	Not soluble Water
Partition coefficient n-octanol/water (logarithmic value):	Not determined
VOC content:	81.00 %
Dynamic viscosity:	100 - 150 cp
Kinematic viscosity:	Not available.
Particle characteristics:	Not available.
Decomposition temperature:	Not available.

10. STABILITY AND REACTIVITY

Stability:	Stable at normal conditions.
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Burning, including when heated by welding or cutting, will produce smoke, carbon monoxide and carbon dioxide.
Incompatible materials:	Oxidizing agents. Strong acids and strong bases.
Reactivity:	Not available.
Conditions to avoid:	Freezing conditions. Heat, flames, sparks and other sources of ignition.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure: Skin, Inhalation, Eyes, Ingestion

Potential Health Effects/Symptoms

Inhalation: May cause irritation to nose and throat. May cause allergic respiratory reaction. Causes respiratory tract irritation.
Skin contact: May cause allergic skin reaction in susceptible individuals. May cause allergic skin reaction. Causes skin irritation.
Eye contact: Causes serious eye irritation.
Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Hazardous Component(s)	LD50s and LC50s
acetone	Oral LD50 (Mouse) = 5.2 g/kg Oral LD50 (Mouse) = 3,000 mg/kg Oral LD50 (Rabbit) = 5,340 mg/kg Oral LD50 (Rat) = 5,800 mg/kg Oral LD50 (Rat) = 9,800 mg/kg Dermal LD50 (Rabbit) = 20,000 mg/kg Inhalation LC50 (Rat, 4 h) = 76 mg/l Inhalation LC50 (Rat, 4 h) = 50.1 mg/l
n-Hexane	Oral LD50 (Rat) = 28,710 mg/kg
Mix Heptane, branched, cyclic and linear /Naphtha (petroleum), hydrotreated light / Solvent naphtha (petroleum), light aliph.	Inhalation LC50 (Rat, 4 h) = > 33.52 mg/l
Toluene	Oral LD50 (Rat) = 2.6 g/kg Dermal LD50 (Rabbit) = 12,124 mg/kg Inhalation LC50 (Rat, 4 h) = 12.5 - 28.8 mg/l Inhalation LC50 (Rat, 4 h) = 25.7 mg/l Inhalation LC50 (Rat, 4 h) = 28.1 mg/l Inhalation LC50 (Rat, 4 h) = 30 mg/l
Distillates (petroleum), hydrotreated light paraffinic, <3% DMSO	Inhalation LC50 (Rat, 4 h) = > 5.2 mg/l Inhalation LC50 (Rat, 4 h) = 2.18 mg/l Inhalation LC50 (Rat, 4 h) = > 4.026 mg/l Inhalation LC50 (Rat, 4 h) = 9.6 mg/l Inhalation LC50 (Rat, 4 h) = < 5.7 mg/l
Formaldehyde, polymer with p-tert-butylphenol and phenol	None
Magnesium oxide	None
rosin	None

Hazardous Component(s)	Immediate Health Effects	Delayed Health Effects	Chronic Health Effects
acetone	Irritant		Central nervous system
n-Hexane	Irritant		Developmental Lung Nervous System Reproductive
Mix Heptane, branched, cyclic and linear /Naphtha (petroleum), hydrotreated light / Solvent naphtha (petroleum), light aliph.			
Toluene	Irritant		Behavioral Cardiac Central nervous system Developmental Ear
Distillates (petroleum), hydrotreated light paraffinic, <3% DMSO	Irritant		Some evidence of carcinogenicity
Formaldehyde, polymer with p-tert-butylphenol and phenol			
Magnesium oxide	Irritant		Blood Central nervous system Immune system
rosin	Irritant	Allergen	Respiratory

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
acetone	No	No	No

n-Hexane	No	No	No
Mix Heptane, branched, cyclic and linear /Naphtha (petroleum), hydrotreated light / Solvent naphtha (petroleum), light aliph.	No	No	No
Toluene	No	No	No
Distillates (petroleum), hydrotreated light paraffinic, <3% DMSO	No	No	No
Formaldehyde, polymer with p-tert-butylphenol and phenol	No	No	No
Magnesium oxide	No	No	No
rosin	No	No	No

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Legal disposition of wastes is the responsibility of the owner/generator of the waste. Applicable federal, state and/or local regulations must be followed during treatment, storage, or disposal of waste containing this product. Empty containers must be handled with care due to product residue.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: ADHESIVES
Hazard class or division: 3
Identification number: UN 1133
Packing group: II

International Air Transportation (ICAO/IATA)

Proper shipping name: Adhesives
Hazard class or division: 3
Identification number: UN 1133
Packing group: II

Water Transportation (IMO/IMDG)

Proper shipping name: ADHESIVES (n-Heptane)
Hazard class or division: 3
Identification number: UN 1133
Packing group: II
Marine pollutant: n-Heptane

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Prepared by: Regulatory Affairs

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