



Revision Number: 002.1

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	TEROSON SB PL605-4	IDH number:	1018967
Product type:	Adhesive	Item number:	1018967
Restriction of Use:	None identified	Region:	United States
Company address:	Contact information:		
Henkel Corporation	Telephone: (860) 571-5100		
One Henkel Way	MEDICAL EMERGENCY Phone: Poison Control Center		
Rocky Hill, Connecticut 06067	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		

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

DANGER: HIGHLY FLAMMABLE LIQUID AND VAPOR.
 MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
 CAUSES SKIN IRRITATION.
 MAY CAUSE AN ALLERGIC SKIN REACTION.
 CAUSES SERIOUS EYE IRRITATION.
 MAY CAUSE ALLERGY OR ASTHMA SYMPTOMS OR BREATHING
 DIFFICULTIES IF INHALED.
 MAY CAUSE DROWSINESS OR DIZZINESS.
 MAY CAUSE CANCER.

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

PICTOGRAM(S)



Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames, hot surfaces - no smoking. Keep container tightly closed. No release into water. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing vapors, mist, or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, eye protection, and face protection. Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.

Response: IF SWALLOWED: Immediately call a physician or poison control center. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Do NOT induce vomiting. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

Disposal: Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions 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	Percentage*
Methyl ethyl ketone	78-93-3	50 - 60
2-Propanol	67-63-0	10 - 20
Carbon black	1333-86-4	1 - 5
Phenol	108-95-2	1 - 5
o-Cresol	95-48-7	0.1 - 1
Formaldehyde	50-00-0	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

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: Get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Symptoms: See Section 11.

Notes to physician: This material, if aspirated into the lungs, may cause lipid pneumonitis. Treat affected person appropriately.

5. FIRE FIGHTING MEASURES

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special firefighting procedures: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Unusual fire or explosion hazards: Vapours may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. Overexposure to decomposition products may cause a health hazard.

Hazardous combustion products:

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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:

Prevent further leakage or spillage if safe to do so. Wear appropriate protective equipment and clothing during clean-up. Do not allow product to enter sewer or waterways.

Clean-up methods:

Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations. Remove all sources of ignition. Use non-sparking tools for clean-up.

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 contact with eyes, skin and clothing. Use proper bonding and/or grounding procedures. Keep container closed.

Storage:

For safe storage, store between 0 °C (32°F) and 46 °C (114.8 °F) Store away from heat, sparks, flames, or other sources of ignition.

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
Methyl ethyl ketone	200 ppm TWA 300 ppm STEL	200 ppm (590 mg/m3) PEL	None	None
2-Propanol	200 ppm TWA 400 ppm STEL	400 ppm (980 mg/m3) PEL	None	None
Carbon black	3 mg/m3 TWA Inhalable fraction.	3.5 mg/m3 PEL	None	None
Phenol	5 ppm TWA (SKIN)	5 ppm (19 mg/m3) PEL (SKIN)	None	None
o-Cresol	20 mg/m3 TWA Inhalable fraction and vapor. (SKIN) Inhalable fraction and vapor.	5 ppm (22 mg/m3) PEL (SKIN)	None	None
Formaldehyde	0.3 ppm Ceiling (Respiratory sensitization) (Dermal sensitization)	0.75 ppm TWA 0.5 ppm OSHA_ACT 2 ppm STEL	None	None

Engineering controls:

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

Respiratory protection:

If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Wear impervious gloves for prolonged contact. Use of impervious apron and boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Black
Odor:	Solvent
Odor threshold:	Not available.
pH:	Not applicable
Vapor pressure:	Not applicable
Boiling point/range:	79 - 81 °C (174.2 - 177.8 °F)
Melting point/ range:	Not determined
Specific gravity:	0.9
Vapor density:	Heavier than air.
Flash point:	-6.7 °C (19.94 °F)
Flammable/Explosive limits - lower:	1.8 % The product is not explosive. The formation of explosive vapor/air mixtures is possible.
Flammable/Explosive limits - upper:	11.5 % The product is not explosive. The formation of explosive vapor/air mixtures is possible.
Autoignition temperature:	Not applicable
Flammability:	Not applicable
Evaporation rate:	Slower than diethyl ether.
Solubility in water:	Appreciable
Partition coefficient (n-octanol/water):	Not determined
VOC content:	574 g/l
Viscosity:	4,000 - 6,000 cp
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:	Strong acids and strong bases.
Reactivity:	Not available.
Conditions to avoid:	Avoid excessive heat (>46°C (>115°F)) and sources of ignition.

11. TOXICOLOGICAL INFORMATION

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects/Symptoms

- Inhalation:** Harmful by inhalation. May cause severe irritation. Exposure to high doses may cause central nervous system depression. Such doses may also cause adverse effects in the liver, kidneys, and lungs. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
- Skin contact:** This product is irritating to the skin. A component in this product may be absorbed through the skin in harmful amounts.
- Eye contact:** May cause severe eye irritation. Chronic eye exposure to this product may cause irreversible eye damage.
- Ingestion:** May be harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspirated material can enter the lungs and result in pneumonitis.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Methyl ethyl ketone	Oral LD50 (Mouse) = 670 mg/kg Oral LD50 (Rat) = 2,300 - 3,500 mg/kg Oral LD50 (Rat) = 4,500 - 6,800 mg/kg Dermal LD50 (Rabbit) = > 8,000 mg/kg Inhalation LC50 (Rat, 4 h) = 11700 ppm	Irritant, Central nervous system
2-Propanol	Oral LD50 (Rat) = 5,045 mg/kg Oral LD50 (Mouse) = 3,600 mg/kg Oral LD50 (Rabbit) = 6,410 mg/kg Oral LD50 (Rat) = 4.7 g/kg Oral LD50 (Mouse) = 4.5 g/kg Oral LD50 (Rabbit) = 8.0 g/kg Oral LD50 (Rabbit) = 5.03 g/kg Dermal LD50 (Rabbit) = 12,800 mg/kg	Allergen, Central nervous system, Irritant
Carbon black	Oral LD50 (Rat) = > 8,000 mg/kg	Respiratory, Some evidence of carcinogenicity
Phenol	Oral LD50 (Mouse) = 270 mg/kg Oral LD50 (Rat) = 317 mg/kg Oral LD50 (Rat) = 530 mg/kg Dermal LD50 (Rat) = 669 mg/kg Dermal LD50 (Rabbit) = 850 mg/kg	Blood, Cardiac, Corrosive, Developmental, Eyes, Irritant, Kidney, Liver, Mutagen, Nervous System, Skin, Vascular
o-Cresol	Oral LD50 (Rabbit) = 1,800 mg/kg Oral LD50 (Rat) = 121 mg/kg Oral LD50 (Rabbit) = 940 mg/kg Oral LD50 (Rat) = 1,350 mg/kg Oral LD50 (Mouse) = 344 mg/kg Dermal LD50 (Mouse) = 620 mg/kg Dermal LD50 (Rabbit) = 890 mg/kg Dermal LD50 (Rat) = 620 mg/kg	Blood, Central nervous system, Corrosive, Irritant, Kidney, Liver
Formaldehyde	Oral LD50 (Rat) = 100 mg/kg Oral LD50 (Mouse) = 42 mg/kg Oral LD50 (Rat) = 2,020 mg/kg Oral LD50 (Rat) = 800 mg/kg Inhalation LC50 (Rat, 4 h) = 0.48 mg/l Inhalation LC50 (Mouse, 4 h) = 0.414 mg/l	Allergen, Behavioral, Central nervous system, Irritant, Liver, Metabolic, Mutagen, Reproductive, Respiratory, Some evidence of carcinogenicity

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Methyl ethyl ketone	No	No	No
2-Propanol	No	No	No
Carbon black	No	Group 2B	No
Phenol	No	No	No
o-Cresol	No	No	No
Formaldehyde	Known To Be Human Carcinogen.	Group 1	Yes

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal:	Follow all local, state, federal and provincial regulations for disposal.
Hazardous waste number:	If discarded, this product is considered a RCRA ignitable waste, D001. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

14. TRANSPORT INFORMATION

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

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

Proper shipping name:	Adhesives
Hazard class or division:	3
Identification number:	UN 1133
Packing group:	II
DOT Hazardous Substance(s):	Methyl ethyl ketone, o-Cresol

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
Hazard class or division:	3
Identification number:	UN 1133
Packing group:	II

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 de minimis
CERCLA/SARA Section 302 EHS:	Phenol (CAS# 108-95-2). o-Cresol (CAS# 95-48-7). Formaldehyde (CAS# 50-00-0).
CERCLA/SARA Section 311/312:	Immediate Health, Delayed Health, Fire
CERCLA/SARA Section 313:	This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Methyl ethyl ketone (CAS# 78-93-3). Phenol (CAS# 108-95-2). Formaldehyde (CAS# 50-00-0).
CERCLA Reportable quantity:	Methyl ethyl ketone (CAS# 78-93-3) 5,000 lbs. (2,270 kg) o-Cresol (CAS# 95-48-7) 100 lbs. (45.4 kg) Formaldehyde (CAS# 50-00-0) 100 lbs. (45.4 kg)
California Proposition 65:	This product contains a chemical known in the State of California to cause cancer.

Canada Regulatory Information

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

This safety data sheet contains changes from the previous version in sections: 3 & 16

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