#### acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

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**Convenience** 

products

1 Identific	ation

#### <sup>•</sup> Product identifier

- Trade name: Touch 'n Seal Black Gun Foam
- Product code: EHS 9450
- · Recommended use and restriction on use
- · Recommended use: Sealant
- · Restrictions on use: See Sections 8 and 10 for further information.

#### Details of the supplier of the Safety Data Sheet

#### Manufacturer/Supplier:

Convenience Products, Foam Products Division 866 Horan Drive Fenton, MO 63026-2614 Phone: 636-349-5855 Toll-Free: 1-800-325-6180

#### • Emergency telephone number: ChemTel Inc. +1 (800)255-3924, +1 (813)248-0585

#### 2 Hazard(s) identification

#### <sup>•</sup> Classification of the substance or mixture

Flam. Aerosol 1	H222 Extremely flammable aerosol.
Press. Gas	H280 Contains gas under pressure; may explode if heated.
Acute Tox. 4	H332 Harmful if inhaled.
Skin Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
Resp. Sens. 1	H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1	H317 May cause an allergic skin reaction.
STOT SE 3	H335 May cause respiratory irritation.
STOT RE 2	H373 May cause damage to organs through prolonged or repeated exposure.

#### · Label elements · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS). • Hazard pictograms:



· Signal word: Danger

· Hazard-determining components of labeling:

diphenylmethanediisocyanate, isomeres and homologues 4,4'-methylenediphenyl diisocyanate

# · Hazard statements:

H222 Extremely flammable aerosol.

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	gas under pressure; may explode if heated.
H332 Harmful	
H315 Causes s	
	serious eye irritation.
	se allergy or asthma symptoms or breathing difficulties if inhaled.
	se an allergic skin reaction.
	se respiratory irritation.
	se damage to organs through prolonged or repeated exposure.
Precautionary	v statements:
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P251	Pressurized container: Do not pierce or burn, even after use.
P260	Do not breathe mist/vapors/spray.
P284	[In case of inadequate ventilation] wear respiratory protection.
P211	Do not spray on an open flame or other ignition source.
P264	Wash thoroughly after handling.
P280	Wear protective gloves and eye protection.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P305+P351+P	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if
	present and easy to do. Continue rinsing.
P302+P352	IF ON SKIN: Wash with plenty of water.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P304+P341	If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Other hazard	ds

There are no other hazards not otherwise classified that have been identified.

0 % of the mixture consists of component(s) of unknown toxicity.

# 3 Composition/information on ingredients

#### · Chemical characterization: Mixtures

· Components:

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	(Con	t'd. of page 2
9016-87-9	<ul> <li>diphenylmethanediisocyanate,isomeres and homologues</li> <li>Resp. Sens. 1, H334; STOT RE 2, H373</li> <li>Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335</li> </ul>	_ 25-40%
101-68-8	<ul> <li>4,4'-methylenediphenyl diisocyanate</li> <li>Resp. Sens. 1, H334; STOT RE 2, H373</li> <li>Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335</li> </ul>	_ 10-20%
13674-84-5	tris(2-chlorisopropyl)-phosphate	_ 5-<10%
115-10-6	dimethyl ether Flam. Gas 1, H220 Press. Gas, H280	_ 5-<10%
75-28-5	isobutane Flam. Gas 1, H220 Press. Gas, H280	2.5-5%
74-98-6	propane Flam. Gas 1, H220 Press. Gas, H280	_ 2.5-5%

#### · Additional information:

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret. For the wording of the listed Hazard Statements refer to section 16.

#### **4 First-aid measures**

#### <sup>•</sup> Description of first aid measures

#### · General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Take affected persons out into the fresh air.

#### After inhalation:

Supply fresh air; consult doctor in case of complaints.

Provide oxygen treatment if affected person has difficulty breathing.

In case of unconsciousness place patient stably in side position for transportation.

#### After skin contact:

Do not pull solidified product away from the skin.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

#### • After eye contact:

Immediately remove contact lenses if possible.

Rinse opened eye for several minutes under running water. Then consult a doctor.

#### • After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

#### Most important symptoms and effects, both acute and delayed:

#### Asthma attacks

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Headache	(contai or pa
Breathing difficulty	
Allergic reactions	
Coughing	
Nausea	
Gastric or intestinal disorders when ingested.	
Irritant to skin and mucous membranes.	
Irritant to eyes.	
Dizziness	
Disorientation	
· Danger:	
Danger of impaired breathing.	
Danger of disturbed cardiac rhythm.	
Danger of pulmonary edema.	
Danger of pneumonia.	
Danger of convulsion.	
· Indication of any immediate medical attention and special treatment needed:	
Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible.	
Treat skin and mucous membrane with antihistamine and corticoid preparations.	
In cases of irritation to the lungs, initial treatment with cortical steroid inhalants.	
Monitor circulation.	
If necessary oxygen respiration treatment.	
Medical supervision for at least 48 hours.	
Contains isocyanates. May produce an allergic reaction.	
5 Fire-fighting measures	

# 5 Fire-fighting measures

#### <sup>·</sup> Extinguishing media

#### • Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Water in flooding quantities.

• For safety reasons unsuitable extinguishing agents: None.

#### • Special hazards arising from the substance or mixture

Danger of receptacles bursting because of high vapor pressure if heated.

During heating or in case of fire poisonous gases are produced.

# Advice for firefighters

#### Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

#### <sup>•</sup> Additional information:

Eliminate all ignition sources if safe to do so.

Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

Cool endangered receptacles with water spray.

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#### 6 Accidental release measures

#### Personal precautions, protective equipment and emergency procedures: Use respiratory protective device against the effects of fumes/dust/aerosol. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Keep away from ignition sources. Protect from heat. Isolate area and prevent access. Keep people at a distance and stay upwind. Environmental precautions: Do not allow to enter sewers/ surface or ground water. • Methods and material for containment and cleaning up: Allow to solidify. Pick up mechanically. Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13. **Reference to other sections:** See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information. 7 Handling and storage · Handling · Precautions for safe handling: Keep away from heat and direct sunlight. Handle with care. Avoid jolting, friction and impact. Use only in well ventilated areas. · Information about protection against explosions and fires: Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Keep respiratory protective device available. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F / 49 °C. i.e. electric lights. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Emergency cooling must be available in case of nearby fire. Conditions for safe storage, including any incompatibilities · Storage • Requirements to be met by storerooms and receptacles: Store in a cool location. Observe official regulations on storing packagings with pressurized containers. Provide ventilation for receptacles. Avoid storage near extreme heat, ignition sources or open flame. Information about storage in one common storage facility: Store away from foodstuffs. Store away from oxidizing agents. · Further information about storage conditions: Protect from heat and direct sunlight. (Cont'd. on page 6)

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Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting. **Specific end use(s):** No relevant information available.

•	ontrols/personal protection	
Control parar	neters	
Components with limit values that require monitoring at the workplace:		
101-68-8 4,4'-m	nethylenediphenyl diisocyanate	
PEL (USA)	Ceiling limit value: 0.2 mg/m <sup>3</sup> , 0.02 ppm	
REL (USA)	Long-term value: 0.05 mg/m <sup>3</sup> , 0.005 ppm Ceiling limit value: 0.2* mg/m <sup>3</sup> , 0.02* ppm *10-min	
TLV (USA)	Long-term value: 0.051 mg/m³, 0.005 ppm	
EL (Canada)	Long-term value: 0.005 ppm Ceiling limit value: 0.01 ppm Skin; S	
EV (Canada)	Long-term value: 0.005 ppm Ceiling limit value: 0.02 ppm	
,	Long-term value: 0.005 ppm	
115-10-6 dimet	<b>3</b>	
WEEL (USA)	Long-term value: 1000 ppm	
EL (Canada)	Long-term value: 1000 ppm	
75-28-5 isobuta	ane	
TLV (USA)	Short-term value: 2370 mg/m <sup>3</sup> , 1000 ppm	
EV (Canada)	Long-term value: 800 ppm	
LMPE (Mexico)	Long-term value: 1000 ppm	
74-98-6 propan		
PEL (USA)	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm	
REL (USA)	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm	
TLV (USA)	refer to Appendix F inTLVs and BEIs book	
EL (Canada)	Long-term value: 1000 ppm	
EV (Canada)	Long-term value: 1000 ppm	
LMPE (Mexico)	Long-term value: 1000 ppm	
General protect The usual preca Keep away from Immediately ren Wash hands be Do not inhale ga	ctive equipment: ctive and hygienic measures: autionary measures for handling chemicals should be followed. In foodstuffs, beverages and feed. nove all soiled and contaminated clothing. fore breaks and at the end of work. ases / fumes / aerosols.	
Avoia contact w	ith the eyes and skin.	(Cont'd. on page

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Clean skin thoroughly immediately after handling the product. **Engineering controls:** No relevant information available.

#### · Breathing equipment:



Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

#### · Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. • **Eye protection:** 



Safety glasses

· Body protection: Protective work clothing

Limitation and supervision of exposure into the environment

Avoid release to the environment.

· Risk management measures See Section 7 for additional information.

# 9 Physical and chemical properties

Appearance:	
Form:	Aerosol
Color:	Amber colored
Odor:	Light
	Petroleum-like
Odor threshold:	Not determined.
pH-value:	Not determined.
Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	-42 °C (-44 °F) (propellant)
Flash point:	-104 °C (-155 °F) (propellant)
Flammability (solid, gaseous):	Not applicable.
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
Auto igniting:	Product is not self-igniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air vapor mixtures are possible.

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· Explosion limits		
Lower:	Not determined.	
Upper:	Not determined.	
· Vapor pressure:	Not determined.	
· Density at 20 °C (68 °F):	1.05 g/cm³ (8.762 lbs/gal)	
· Relative density:	Not determined.	
· Vapor density:	Not determined.	
Evaporation rate:	Not applicable.	
· Solubility in / Miscibility with		
Water:	Not miscible or difficult to mix.	
· Partition coefficient (n-octanol/wa	ater): Not determined.	
· Viscosity		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
VOC (California):	155 g/L (EPA Method 24)	
Other information	No relevant information available.	

10 Stability and reactivity
• <b>Reactivity:</b> No relevant information available.
· Chemical stability:
<ul> <li>Thermal decomposition / conditions to be avoided:</li> </ul>
No decomposition if used and stored according to specifications.
Possibility of hazardous reactions:
Develops readily flammable gases / fumes.
Flammable.
Reacts with oxidizing agents.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.
Danger of receptacles bursting because of high vapor pressure if heated. Contact with acids releases toxic gases.
Toxic fumes may be released if heated above the decomposition point.
· Conditions to avoid:
Keep ignition sources away - Do not smoke.
Store away from oxidizing agents.
Incompatible materials: No relevant information available.
Hazardous decomposition products:
Carbon monoxide and carbon dioxide
Nitrogen oxides (NOx)
Hydrogen cyanide (prussic acid)
Phosphorus oxides (e.g. P2O5)

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<ul> <li>Informati</li> <li>Acute toxi</li> </ul>	on on toxicological effects citv:
	alues that are relevant for classification:
101-68-8 4	,4'-methylenediphenyl diisocyanate
	2200 mg/kg (mouse)
Primary in     On the ski     On the eye     Sensitizati     Sensitizatio     Sensitizatio     Subacute     Inhalation	ritant effect: n: Irritant to skin and mucous membranes. e: Irritating effect.
	rnational Agency for Research on Cancer):
•	diphenylmethanediisocyanate,isomeres and homologues
	4,4'-methylenediphenyl diisocyanate
	onal Toxicology Program):
•	e ingredients are listed.
	(Occupational Safety & Health Administration):
	e ingredients are listed.
	-
	cts (acute toxicity, irritation and corrosivity): Vapors have narcotic effect. ts (carcinogenity, mutagenicity and toxicity for reproduction)
	mutagenicity: Based on available data, the classification criteria are not met.
	<b>nicity:</b> Based on available data, the classification criteria are not met.
	tive toxicity: Based on available data, the classification criteria are not met.
	gle exposure: May cause respiratory irritation.
	eated exposure: May cause damage to organs through prolonged or repeated exposure.
Aspiration	hazard: Based on available data, the classification criteria are not met.
2 Ecologio	al information
Tavialt	
Toxicity	
	xicity No relevant information available.
	ice and degradability No relevant information available.
<ul> <li>Bioaccum</li> </ul>	ulative potential: No relevant information available.
	acily he relevant information available

- Mobility in soil: No relevant information available.
- Additional ecological information
- · General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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#### <sup>•</sup> Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· vPvB: Not applicable.

· Other adverse effects: No relevant information available.

# 13 Disposal considerations

#### <sup>·</sup> Waste treatment methods

#### · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

#### <sup>·</sup> Uncleaned packagings

• Recommendation: Disposal must be made according to official regulations.

· UN-Number · DOT, ADR, IMDG, IATA	UN1950
UN proper shipping name	
Limited Quantity for package (0.3 gal).	es less than 30 kg (66 lb) and inner packagings less than 1 L
DOT	Aerosols
ADR	1950 AEROSOLS
· IMDG · IATA	AEROSOLS Aerosols, flammable
<sup>·</sup> Transport hazard class(es)	
· DOT	
· Class	2.1
·Label	2.1
· ADR	
•	
Class	2 5F Gases

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	(Cont'd. of page
Label	2.1
IMDG, IATA	
Class	2.1
Label	2.1
Packing group	This UN-number is not assigned a packing group. Aerosols are not assigned a packing group.
DOT, ADR, IMDG, IATA	Not regulated.
Environmental hazards	
Marine pollutant:	No
Special precautions for user	Warning: Gases
Danger code (Kemler):	-
EMS Number:	F-D,S-U
<sup>·</sup> Transport in bulk according to Annex	Il of
MARPOL73/78 and the IBC Code	Not applicable.

# 15 Regulatory information · Safety, health and environmental regulations/legislation specific for the substance or mixture · United States (USA) · SARA · Section 355 (extremely hazardous substances): None of the ingredients are listed. · Section 313 (Specific toxic chemical listings): 9016-87-9 diphenylmethanediisocyanate, isomeres and homologues 101-68-8 4,4'-methylenediphenyl diisocyanate · TSCA (Toxic Substances Control Act) All ingredients are listed. · Proposition 65 (California) · Chemicals known to cause cancer: None of the ingredients are listed. Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed. Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

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Chemicals known to cause developmental toxicity:	
None of the ingredients are listed.	
Carcinogenic categories	
EPA (Environmental Protection Agency):	
9016-87-9 diphenylmethanediisocyanate, isomeres and homologues	CBD
101-68-8 4,4'-methylenediphenyl diisocyanate	D, CB
IARC (International Agency for Research on Cancer):	
9016-87-9 diphenylmethanediisocyanate, isomeres and homologues	
101-68-8 4,4'-methylenediphenyl diisocyanate	
NIOSH-Ca (National Institute for Occupational Safety and Health):	
None of the ingredients are listed.	
Canada	
Canadian substance listings	
Canadian Domestic Substances List (DSL):	
All ingredients are listed.	
Canadian Ingredient Disclosure list (limit 0.1%):	
101-68-8 4,4'-methylenediphenyl diisocyanate	
Canadian Ingredient Disclosure list (limit 1%):	
None of the ingredients are listed.	

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### **16 Other information**

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

#### · Date of preparation / last revision 03/18/2016 / -

#### · Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health Flam. Gas 1: Flammable gases, Hazard Category 1 Flam. Aerosol 1: Flammable aerosols, Hazard Category 1 Press. Gas: Gases under pressure: Compressed gas Acute Tox. 4: Acute toxicity, Hazard Category 4 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

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STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2 · **Sources** SDS Prepared by:

ChemTel Inc. 1305 North Florida Avenue Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573 Website: www.chemtelinc.com