Printing date 11/07/2016



Reviewed on 11/07/2016

1 Identification

- · Product identifier
- · Trade name: <u>38403 Blenz In</u>
- · Article number: 38403
- · Application of the substance / the mixture Coating
- \cdot Details of the supplier of the safety data sheet
- Manufacturer/Supplier: SEM Products Inc. 1685 Overview Drive Rock Hill, SC 29730 803 207 8225

· Information department:

cust_care@semproducts.com : SEM Products,Inc. 1685 Overview Dr. Rock Hill, SC 29730 : phone 1-800-831-1122, M - TH 7am - 4pm EDT

• Emergency telephone number: CHEMTREC 1-800-424-9300

2 *Hazard*(*s*) *identification*

· Classification of the substance or mixture

GHS02 GHS04 Flame, Gas cylinder

Flam. Aerosol 1 H222 Extremely flammable aerosol.

GHS04 Gas cylinder

Press. Gas H280 Contains gas under pressure; may explode if heated.

GHS08 Health hazard

Repr. 2H361 Suspected of damaging fertility or the unborn child.STOT RE 2H373 May cause damage to organs through prolonged or repeated exposure.



Eye Irrit. 2AH319 Causes serious eye irritation.STOT SE 3H336 May cause drowsiness or dizziness.

· Label elements

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



(Contd. on page 2)

USA

Printing date 11/07/2016

Safety Data Sheet acc. to OSHA HCS



Page 2/12

Reviewed on 11/07/2016

Trade name: 38403 Blenz In

Signal word Da	nger (Contd. of pag
-	ning components of labeling:
acetone	8 · · · · · · · · · · · · · · · · · · ·
toluene	
Hazard stateme	nts
-	flammable aerosol.
	gas under pressure; may explode if heated.
	rious eye irritation.
	of damaging fertility or the unborn child.
	e drowsiness or dizziness.
	e damage to organs through prolonged or repeated exposure.
Precautionary s	
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P251	Do not pierce or burn, even after use.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P211	Do not spray on an open flame or other ignition source.
P280	Wear eye protection / face protection.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if press
1 505 1 551 11	and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P405	Store locked up.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
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/internation
Classification sy	regulations. es tem:
NFPÅ ratings (
	ealth = 2
	ire = 4
	eactivity = 0
HMIS-ratings (scale 0 - 4)
HEALTH *2	Health = *2
	Fire = 4
the second se	Reactivity $= 0$
Other hazards Results of PRT	and vPvB assessment
PBT: Not applie	
	
vPvB: Not appli	cable

(Contd. on page 3)

Printing date 11/07/2016



Trade name: 38403 Blenz In

(Contd. of page 2)

3 Compositi	ion/information on ingredients	
· Description.	nsisting of the following components.	
· Dangerous	components:	
67-64-1	acetone	30 - 40%
108-94-1	cyclohexanone	13 - 30%
68476-86-8	Petroleum gases, liquefied, sweetened	13 - 30%
108-88-3	toluene	1.5 - 5%
	NJ TSRN: 8009285004 Polyester Plasticizer	1-1.5%
763-69-9	ethyl 3-ethoxypropionate	<1%

4 First-aid measures

- · Description of first aid measures
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- *Indication of any immediate medical attention and special treatment needed No further relevant information available.*

5 *Fire-fighting measures*

- · Extinguishing media
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture
- During heating or in case of fire poisonous gases are produced.
- Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
 Wear protective equipment. Keep unprotected persons away.
- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- *Methods and material for containment and cleaning up:* Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

(Contd. on page 4)

USA

Printing date 11/07/2016

Reviewed on 11/07/2016

Trade name: 38403 Blenz In

(Contd. of page 3)

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
- No special measures required.
- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- · Information about protection against explosions and fires:
- Do not spray on a naked flame or any incandescent material.
- Keep ignition sources away Do not smoke.
- Keep respiratory protective device available.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:
- Observe official regulations on storing packagings with pressurized containers.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- · Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see item 7.

· Control parameters

· Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

67-6 4	4-1 acetone
PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m³, 250 ppm
TLV	Short-term value: 1187 mg/m³, 500 ppm Long-term value: 594 mg/m³, 250 ppm BEI
108-9	94-1 cyclohexanone
PEL	Long-term value: 200 mg/m³, 50 ppm
REL	Long-term value: 100 mg/m³, 25 ppm Skin
TLV	Long-term value: 50 mg/m³, 20 ppm Skin
	(Contd. on page 5)

Printing date 11/07/2016

Reviewed on 11/07/2016

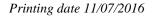
SEM

Trade name: 38403 Blenz In

100	00.2 toluono	(Contd. of page
	88-3 toluene	
PEL	Long-term value: 200 ppm	
	Ceiling limit value: 300; 500* ppm	
	*10-min peak per 8-hr shift	
REL	Short-term value: 560 mg/m³, 150 ppm	
	Long-term value: 375 mg/m ³ , 100 ppm	
TLV	Long-term value: 75 mg/m³, 20 ppm	
12,	BEI	
. Ingr	edients with biological limit values:	
0	4-1 acetone	
REI	50 mg/L	
DEI	Medium: urine	
	Time: end of shift	
	Parameter: Acetone (nonspecific)	
108-	94-1 cyclohexanone	
	80 mg/L	
221	Medium: urine	
	Time: end of shift at end of workweek	
	Parameter: 1.2-Cyclohexanediol with hydrolysis (nonspecific, semi-quantitative)	
	8 mg/L	
	Medium: urine	
	Time: end of shift	
100	Parameter: Cyclohexanol with hydrolysis (nonspecific, semi-quantitative)	
	88-3 toluene	
BEI	0.02 mg/L	
	Medium: blood	
	Time: prior to last shift of workweek	
	Parameter: Toluene	
	0.03 mg/L	
	Medium: urine	
	Time: end of shift	
	Parameter: Toluene	
	0.3 mg/g creatinine	
	Medium: urine	
	Time: end of shift	
	Parameter: o-Cresol with hydrolysis (background)	
· Add	<i>itional information:</i> The lists that were valid during the creation were used as basis.	
	•	
	osure controls	
	conal protective equipment:	
	eral protective and hygienic measures:	
	p away from foodstuffs, beverages and feed.	
	ediately remove all soiled and contaminated clothing.	
	h hands before breaks and at the end of work.	
	e protective clothing separately.	
	d contact with the eyes.	
Avoi	id contact with the eyes and skin.	
		(Contd. on page

Page 5/12

USA





Reviewed on 11/07/2016

Trade name: 38403 Blenz In

· Breathing equipment:

(Contd. of page 5)

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

• Protection of hands:

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- Eye protection:
- Safety glasses



Tightly sealed goggles

9 Physical and chemical properties · Information on basic physical and chemical properties General Information · Appearance: Form: Aerosol Color: According to product specification · Odor: *Characteristic* · Odor threshold: Not determined. · pH-value: Not determined. Change in condition Melting point/Melting range: Undetermined. 55 °C **Boiling point/Boiling range:** -103 °C · Flash point: · Flammability (solid, gaseous): Not applicable. 420 °C · Ignition temperature: Not determined. · Decomposition temperature: · Auto igniting: Product is not selfigniting. · Danger of explosion: In use, may form flammable/explosive vapour-air mixture. (Contd. on page 7) USA



Reviewed on 11/07/2016

Printing date 11/07/2016

Trade name: 38403 Blenz In

		(Contd. of page
Explosion limits:		
Lower:	1.3 Vol %	
Upper:	13.0 Vol %	
• Vapor pressure at 20 •C:	233 hPa	
Density at 20 °C:	0.74651 g/cm ³	
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/w	vater): Not determined.	
Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
Solvent content:		
Organic solvents:	96.4 %	
VOC content:	58.1 %	
	679.4 g/l / 5.67 lb/gl	
Solids content:	3.6 %	
• Other information	No further relevant information available.	

10 Stability and reactivity

· Reactivity No further relevant information available.

· Chemical stability

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- *Incompatible materials:* No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

108-94-1 сус	clohexanone
--------------	-------------

100 00 24		0 ()
Inhalative		8000 mg/l (rat)
Dermal	LD50	948 mg/kg (rabbit)
Oral	LD50	1535 mg/kg (rat)

108-88-3 t	oluene		
Oral	LD50	5000 mg/kg (rat)	
Dermal	LD50	12124 mg/kg (rabbit)	

(Contd. on page 8)

Printing date 11/07/2016

Reviewed on 11/07/2016

Trade name: 38403 Blenz In

(Contd. of page 7)

3

3

· Primary irritant effect:

• on the skin: No irritant effect.

· on the eye: Irritating effect.

• Sensitization: No sensitizing effects known.

Inhalative LC50/4 h 5320 mg/l (mouse)

• Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

108-94-1 cyclohexanone

108-88-3 toluene

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

· Toxicity

- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:

· General notes:

Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.
- · Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

(Contd. on page 9)

IS A



Printing date 11/07/2016

Trade name: 38403 Blenz In

(Contd. of page 8)

14 Transport information · UN-Number UN1950 · DOT, ADR, IMDG, IATA · UN proper shipping name Aerosols, flammable $\cdot DOT$ 1950 Aerosols · ADR AEROSOLS · IMDG $\cdot IATA$ AEROSOLS, flammable • Transport hazard class(es) $\cdot DOT$ 2.1 · Class · Label 2.1 · ADR 2 5F Gases · Class · Label 2.1· IMDG, IATA · Class 2.1 · Label 2.1 · Packing group · DOT, ADR, IMDG, IATA Void · Environmental hazards: · Marine pollutant: No · Special precautions for user Warning: Gases · EMS Number: F-D, S-U· Stowage Code SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. · Segregation Code SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision (Contd. on page 10)



Page 10/12

Reviewed on 11/07/2016

Printing date 11/07/2016

	(Contd.	of page
	of class 2.	
· Transport in bulk according to Annex	II of	
MARPOL73/78 and the IBC Code	Not applicable.	
· Transport/Additional information:		
·DOT		
· Quantity limitations	On passenger aircraft/rail: 75 kg	
	On cargo aircraft only: 150 kg	
· ADR		
\cdot Excepted quantities (EQ)	Code: E0	
	Not permitted as Excepted Quantity	
· IMDG		
· Limited quantities (LQ)	1L	
· Excepted quantities $(\widetilde{E}Q)$	Code: E0	
	Not permitted as Excepted Quantity	
· UN ''Model Regulation'':	UN 1950 AEROSOLS, 2.1	

15 Regulatory information

 \cdot Safety, health and environmental regulations/legislation specific for the substance or mixture \cdot Sara

• Section 355 (extremely hazardous substances):

None of the ingredient is listed.

 \cdot Section 313 (Specific toxic chemical listings):

108-88-3 toluene

• TSCA (Toxic Substances Control Act):

67-64-1 acetone

108-94-1 cyclohexanone

108-88-3 toluene

763-69-9 ethyl 3-ethoxypropionate

· Proposition 65

• Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

108-88-3 toluene

· Cancerogenity categories

· EPA (Environmental Protection Agency)

67-64-1 acetone

108-88-3 toluene

(Contd. on page 11)

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II

Printing date 11/07/2016

SEM

Reviewed on 11/07/2016

Trade name: 38403 Blenz In

	(Contd. of page
TLV (Threshold	d Limit Value established by ACGIH)
67-64-1 aceto	ne
108-94-1 cyclo	hexanone A
108-88-3 toluer	
NIOSH-Ca (Na	tional Institute for Occupational Safety and Health)
None of the ingr	redients is listed.
GHS label elem	ents The product is classified and labeled according to the Globally Harmonized System (GHS)
Hazard pictogra	
< (3) / -	
∇	
GHS02 GHS	504 GHS07 GHS08
Signal word Da	inger
Hazard-determ	ining components of labeling:
acetone	and components of mound.
toluene	
Hazard stateme	nts
	ns flammable aerosol.
	gas under pressure; may explode if heated.
	erious eye irritation.
	•
	l of damaging fertility or the unborn child.
	e drowsiness or dizziness.
Precautionary s	e damage to organs through prolonged or repeated exposure.
P210	
P251	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260	Do not pierce or burn, even after use.
	Do not breathe dust/fume/gas/mist/vapors/spray.
P211	Do not spray on an open flame or other ignition source.
P280	Wear eye protection / face protection.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P305 + P351 +	338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if prese
	and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
	Store locked up.
P405	Protect from sunlight. Store in a well-ventilated place.
P405 P410+P403	Troleci from sunlight. Store in a weit-ventitalea place.
	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P410+P403	
P410+P403 P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P410+P403 P410+P412 P403+P233	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place. Keep container tightly closed.



Page 12/12

(Contd. of page 11)

Reviewed on 11/07/2016

Trade name: 38403 Blenz In

16 Other information

Printing date 11/07/2016

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

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. · Department issuing SDS: Environment protection department. · Contact: Steve Gaver (sgaver@semproducts.com) · Date of preparation / last revision 11/07/2016 / 9 · Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) ICAO: International Civil Aviation Organisation ADR: Accord européen sur le transport des marchandises dangereuses par Route (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 ACGIH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) 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 TLV: Threshold Limit Value PEL: Permissible Exposure Limit REL: Recommended Exposure Limit BEI: Biological Exposure Limit Flam. Aerosol 1: Aerosols - Category 1 Press. Gas: Gases under pressure - Compressed gas Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A Repr. 2: Reproductive toxicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 • * Data compared to the previous version altered.