SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier:
Paneling Adhesive 28 OZ

Alternate Names:
Product Identity: Paneling Adhesive 28 OZ
Product Code: 11676678000

1.2. Relevant identified uses of the substance and uses advised against:
Adhesive for bowling lane paneling for professional use.

1.3. Details of the supplier of the safety data sheet:
Brunswick Bowling Products, LLC
525 W. Laketon Ave.
Muskegon, MI 49441. USA

1.3.1. Responsible person: -
E-mail: brunswick.hu@brunswickbowling.com

1.4. Emergency telephone number: 24-hour Emergency Telephone No.: CHEMTEL +1 813-248-0585
Customer Service: Brunswick Bowling Products LLC: 231-725-4966

SECTION 2: HAZARDS IDENTIFICATION

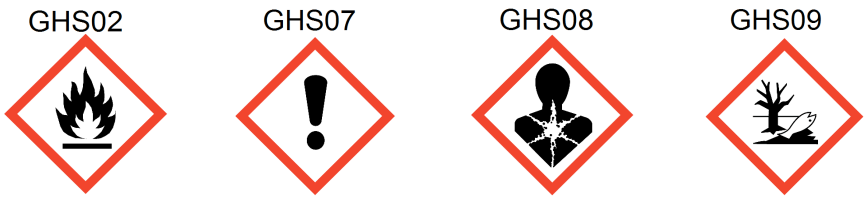
2.1. Classification of the mixture:

Classification according to Regulation 1272/2008/EC (CLP):
Flammable Liquids 3 – H226
Skin irritation 2 – H315
Eye irritation 2 – H319
Reproductive toxicity 2 – H361fd
Specific target organ toxicity (STOT) – repeated exposure 2 – H373
Hazardous to the aquatic environment, Chronic 2 – H411

Warning **H statements:**
H226 – Flammable liquid and vapour.
H319 – Causes serious eye irritation.
H315 – Causes skin irritation.
H361fd – Suspected of damaging fertility or the unborn child.
H373 – May cause damage to organs through prolonged or repeated exposure.
H411 – Toxic to aquatic life with long lasting effects.

2.2. Label elements:

Components which define the hazards: n-hexane; Toluene



DANGER

Warning **H statements:**
H226 – Flammable liquid and vapour.
H319 – Causes serious eye irritation.
H315 – Causes skin irritation.
H361fd – Suspected of damaging fertility or the unborn child.
H373 – May cause damage to organs through prolonged or repeated exposure.
H411 – Toxic to aquatic life with long lasting effects.

Precautionary **P statements:**
P201 – Obtain special instructions before use.
P202 – Do not handle until all safety precautions have been read and understood.
P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P235 – Keep cool.
P240 – Ground/bond container and receiving equipment.
P241 – Use explosion-proof electrical/ventilating/lighting equipment.
P242 – Use only non-sparking tools.
P243 – Take precautionary measures against static discharge.
P260 – Do not breathe mist/vapours/spray.
P264 – Wash thoroughly after handling.
P273 – Avoid release to the environment.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
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 advice/attention.
P314 – Get medical advice/attention if you feel unwell.
P321 – Specific treatment (see on this label).
P332 + P313 – If skin irritation occurs: Get medical advice/attention.
P337 + P313 – If eye irritation persists: Get medical advice/attention.
P362 – Take off contaminated clothing.
P370 + P378 – In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.
P391 – Collect spillage.
P403 + P233 – Store in a well-ventilated place. Keep container tightly closed.
P405 – Store locked up.
P501 – Dispose of contents/container in accordance with local / national regulations.

2.3. Other hazards:
No other known specific hazards for human or environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable.

3.2. Mixture:

Description	CAS number	EC number	REACH reg. nr.	Conc. (%)	Classification: 1272/2008/EC (CLP)		
					Hazard pict.	Hazard cat.	H phrase
n-hexane [1] [2]	110-54-3	203-777-6	-	10 - 25	GHS02 GHS08 GHS07 GHS09 Danger	Flam. Liq. 2 Repr. 2 Asp. Tox. 1 STOT RE 2 (*) Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	H225 H361f (***) H304 H373 (**) H315 H336 H411
Calcium carbonate* [1] [2]	471-34-1	207-439-9	-	10 - 25	-	-	-
Kaolin* [1] [2]	1332-58-7	-	-	10 - 25	GHS07 Warning	Eye Irrit. 2	H319
2-methylpentane* [1]	107-83-5	203-523-4	-	5 – 10	GHS02 GHS08 GHS07 GHS09 Danger	Flam. Liq. 2 Asp Tox. 1 Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	H225 H304 H315 H336 H411
3-methylpentane* [1]	96-14-0	202-481-4	-	5 - 10	GHS02 GHS08 GHS07 GHS09 Danger	Flam. Liq. 2 Asp Tox. 1 Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	H225 H304 H315 H336 H411
Methylpentane* [1]	96-37-7	-	-	5 – 10	-	-	-
Toluene [1] [2]	108-88-3	203-625-9	-	5 – 10	GHS02 GHS08 GHS07 Danger	Flam. Liq. 2 Repr. 2 Asp. Tox. 1 STOT RE 2 (*) Skin Irrit. 2 STOT SE 3	H225 H361d (***) H304 H373 (**) H315 H336
Carbonic acid, magnesium salt (1:1)* [1] [2]	546-93-6	208-915-9	-	5 – 10	-	-	-
heptane [and isomers] [1] Note C	591-76-4	209-730-6	-	1 - 5	GHS02 GHS08 GHS07 GHS09 Danger	Flam. Liq. 2 Asp. Tox. 1 Skin Irrit. 2 STOT SE 3 Aquatic Acute 1 Aquatic Chronic 1	H225 H304 H315 H336 H400 H410

*: Substance classified by the manufacturer or substance which has no obligatory classification according to the EU regulations.
In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Note C:

Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
[1] Substance classified with a health or environmental hazard.
[2] Substance with a workplace exposure limit.

For the full text of H phrases: see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

General:

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

IN CASE OF INGESTION:

Measures:

- If swallowed DO NOT INDUCE VOMITING.
- Get medical attention immediately.

IN CASE OF INHALATION:

Measures:

- Remove to fresh air, keep patient warm and at rest.
- If breathing is irregular or stopped, give artificial respiration.
- If unconscious place in the recovery position and obtain immediate medical attention.
- Give nothing by mouth.

IN CASE OF SKIN CONTACT:

Measures:

- Remove contaminated clothing.
- Wash skin thoroughly with soap and water or use a recognized skin cleanser.

IN CASE OF EYE CONTACT:

Measures:

- Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

4.2. Most important symptoms and effects, both acute and delayed:

Overview:

INHALATION: Inhalation of vapors may cause irritation of the nose, throat, lungs, and respiratory tract. Inhalation of vapors in high concentration may cause shortness of breath (lung edema). Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Prolonged, repeated, or high exposures may cause central nervous system depression leading to headaches, nausea, drowsiness, dizziness, and possibly narcosis. In extreme cases, may lead to loss of consciousness.
SKIN CONTACT: May cause skin irritation. Prolonged and repeated skin contact may cause dermatitis, drying, and defatting due to solvent properties.
EYE CONTACT: May cause eye irritation. Signs and symptoms may include: pain, tears, swelling, redness, and blurred vision.
INGESTION: Harmful or fatal if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May cause gastrointestinal disturbances with dizziness and central nervous system depression. If ingested, may cause depressed respiration. Aspiration hazard if swallowed. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis, which can be fatal. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

Eyes: Causes serious eye irritation.

Skin: Causes skin irritation.

4.3. Indication of any immediate medical attention and special treatment needed:

No data available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:
Foam, CO_2, dry chemical.

5.1.2. Unsuitable extinguishing media:
No data available.

5.2. Special hazards arising from the substance or mixture:

Hazardous decomposition: Normal decomposition products (i.e. CO_x and NO_x).
Do not breathe mist / vapors / spray

5.3. Advise for fire fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Avoid use of solid water streams. Water spray to cool containers or protect personnel. Use with caution. Use water spray to knock down vapors. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Highly flammable liquid and vapor. Vapors/dust may cause flash fire or explosion. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning
ERG Guide No.: 128

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel:
Keep unprotected people away, allow only well trained experts wearing suitable protective clothing to abide in the field of accident.

6.1.2. For emergency responders:
Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions:
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up:
Review fire hazards before proceeding with cleanup. Immediately eliminate sources of ignition. Keep people away from and upwind of the spill or leak. Scrape up dried material and place into containers. Prevent product from entering drains. Soak up with inert absorbent material and dispose of as hazardous waste. Read all product instructions before using. Personal protective equipment should include impervious gloves, protective eye wear, and suitable work clothes.

6.4. Reference to other sections:
For further and detailed information see section 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:
Observe conventional hygiene precautions.
KEEP OUT OF REACH OF CHILDREN! Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal. Do not take internally.
Wear appropriate personal protection equipment. Avoid breathing vapor and contact with the skin, eyes, and clothing.
Technical measures:
Provide adequate ventilation. Open all windows and doors or use other means to ensure cross-ventilation and fresh air entry during application and drying. Odor is not an adequate warning for hazardous conditions. Construction and repair activities can adversely affect indoor air quality. Consult with occupants or a representative to determine ways to minimize impact.
Precautions against fire and explosion:
Keep away from open flames, hot surfaces, and sources of ignition. Empty containers contain product residue (liquid and/or vapor). Vapor can ignite potentially causing an explosion. Do not use in areas where static sparks may be generated.
See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities:
Technical measures and storage condition:
Handle containers carefully to prevent damage and spillage.
KEEP OUT OF REACH OF CHILDREN!
Incompatible materials: Incompatible with strong bases and oxidizing agents. Avoid contact with strong acids and oxidizable organic materials in the presence of heat.
Packaging material: no special prescriptions.
See section 2 for further details. - [Storage]:

7.3. Specific end use(s):
No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values:
n-Hexane (CAS: 110-54-3):
8-hour reference period: 20 ppm; 72 mg/m³;
15 minute reference period: - ppm; - mg/m³

Kaolin (CAS: 1332-58-7):
8-hour reference period: - ppm; 2 mg/m³;
15 minute reference period: - ppm; - mg/m³

Toluene (CAS: 108-88-3):
8-hour reference period: 50 ppm; 192 mg/m³;
15 minute reference period: 100 ppm; 384 mg/m³

DNEL		Routes of exposure	Exposure frequency	Remarks:
Worker	Consumer			
no data available	no data available	Dermal	Short term (acute) Long term (repeated)	no data available
no data available	no data available	Inhalative	Short term (acute) Long term (repeated)	no data available
no data available	no data available	Oral	Short term (acute) Long term (repeated)	no data available

PNEC			Exposure frequency:	Remarks:
Water	Soil	Air		
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available
no data available	no data available	no data available	Short term (single use) Long term (continuous)	no data available

8.2. Exposure controls:
In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1 Appropriate engineering controls:
In pursuance of work is proper foresight needed to avoid spilling onto clothes and floors and to avoid contact with eyes and skin.
Engineering Controls:
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices:

Provide eyewash and solvent-impervious apron if body contact may occur. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. See section 2 for further details. - [Prevention]:

8.2.2. Individual protection measures, such as personal protective equipment:

1. Eye/face protection: Wear safety glasses with side shields (or goggles) and a face shield.

2. Skin protection:

a. Hand protection: Solvent-resistant gloves are recommended.

b. Other: No special instructions.

3. Respiratory protection: IF concentrations exceed the exposure limits specified, use of a NIOSH-approved supplied air respirator is recommended. Where the protection factor is exceeded, use of a self-contained breathing apparatus (SCBA) may be necessary. In case of insufficient ventilation, wear suitable respiratory equipment. A respiratory protection program that meets the OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

4. Thermal hazard: None known.

8.2.3. Environmental exposure controls:

No special measures required.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions an expert's advice should be sought out before deciding upon further protective measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter		Test method:	Remarks:
1. **Appearance:**	Tan Paste		
2. **Odour:**	Strong solvent		
3. Odour threshold:	not determined		
4. pH:	not measured		
5. Melting point/ freezing point:	not measured		
6. Initial boiling point/boiling range:	not measured		
7. Flash point:	23,9 °C	Seta Closed Cup	
8. Evaporation rate:	Faster than n-Butyl Acetate		
9. Flammability (solid, gas):	not applicable		
10. Upper/lower flammability or explosive limits:	lower explosive limit: not measured upper explosive limit: not measured		
11. Vapour pressure:	not measured		
12 Vapour density:	Heavier than air		
13. Relative density:	no data available		
14. Solubility(ies):	not measured		
15. Partition coefficient: n-octanol/water:	not measured		
16. Auto-ignition temperature:	not measured		
17. Decomposition temperature:	not measured		
18. Viscosity:	170,000-250,000 cPs		
19. Explosive properties:	not measured		
20. Oxidizing properties:	not measured		

9.2. Other information:

Density: 1,11 g/cm^3

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:
Hazardous Polymerization will not occur.

10.2. Chemical stability:
Stable under normal circumstances.

10.3. Possibility of hazardous reactions:
No data available.

10.4. Conditions to avoid:
Avoid excessive heat and freezing. Keep away from open flames, hot surfaces, and sources of ignition. Keep away from oxidizing agents, heat, and open flames. Keep away from oxidizing agents, strong alkalis, and strong acids in order to avoid exothermic reactions. Avoid contact with skin, eyes, and clothing.

10.5. Incompatible materials:
Incompatible with strong bases and oxidizing agents. Avoid contact with strong acids and oxidizable organic materials in the presence of heat.

10.6. Hazardous decomposition products:
Normal decomposition products (i.e. CO_x and NO_x).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:
Acute toxicity: none known.
Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye irritation.
Respiratory or skin sensitisation: none known.
Germ cell mutagenicity: none known.
Carcinogenicity: none known.
Reproductive toxicity: Suspected of damaging fertility or the unborn child.
STOT-single exposure: none known.
STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure
Aspiration hazard: May be fatal if swallowed and enters airways.

11.1.1. For substances subject to registration, brief summaries of the information derived from the test conducted:
No data available.

11.1.2. Relevant toxicological properties of the hazardous substances:
Acute toxicity
Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.
2-butoxyethanol and its acetate are readily absorbed through the skin and will cause harmful effects on the blood.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/l/4hr	Inhalation Dust/Mist LC50, mg/l/4hr	Inhalation Gas LC50, ppm
Hexane - (110-54-3)	25,000.00, Rat - Category: NA	3,000.00, Rabbit - Category: 5	No data available	No data available	48,000.00, Rat - Category: NA
Calcium carbonate - (471-34-1)	6,450.00, Rat - Category: NA	No data available	No data available	No data available	No data available
Kaolin - (1332-58-7)	No data available	No data available	No data available	No data available	No data available

Pentane, 2-methyl- - (107-83-5)	No data available	No data available	No data available	No data available	No data available
METHYLPENTANE - (96-14-0)	No data available	No data available	No data available	No data available	No data available
Methylcyclopentane - (96-37-7)	No data available	No data available	No data available	No data available	No data available
Toluene - (108-88-3)	636.00, Rat - Category: 4	8,400.00, Rabbit - Category: NA	No data available	No data available	No data available
Carbonic acid, magnesium salt (1:1) – (546-93-0)	No data available	No data available	No data available	No data available	No data available
Isoheptane - (591-76-4)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Carcinogenity:

CAS No.	Ingredient	Source	Value
96-14-0	METHYLPENTANE	OSHA	Select Carcinogen: no
		NTP	Known: no; Suspected: no
		IARC	Group 1: no; Group 2a: no; Group 2b: no; Group 3: no; Group 4: no;
96-37-7	Methylcyclopentane	OSHA	Select Carcinogen: no
		NTP	Known: no; Suspected: no
		IARC	Group 1: no; Group 2a: no; Group 2b: no; Group 3: no; Group 4: no;
107-83-5	Pentane, 2-methyl-	OSHA	Select Carcinogen: no
		NTP	Known: no; Suspected: no
		IARC	Group 1: no; Group 2a: no; Group 2b: no; Group 3: no; Group 4: no;
108-88-3	Toluene	OSHA	Select Carcinogen: no
		NTP	Known: no; Suspected: no
		IARC	Group 1: no; Group 2a: no; Group 2b: no; Group 3: yes; Group 4: no;
110-54-3	Hexane	OSHA	Select Carcinogen: no
		NTP	Known: no; Suspected: no
		IARC	Group 1: no; Group 2a: no; Group 2b: no; Group 3: no; Group 4: no;
471-34-1	Calcium carbonate	OSHA	Select Carcinogen: no
		NTP	Known: no; Suspected: no
		IARC	Group 1: no; Group 2a: no; Group 2b: no; Group 3: no; Group 4: no;
546-93-0	Carbonic acid, magnesium salt (1:1)	OSHA	Select Carcinogen: no
		NTP	Known: no; Suspected: no
		IARC	Group 1: no; Group 2a: no; Group 2b: no; Group 3: no; Group 4: no;
591-76-4	Isoheptane	OSHA	Select Carcinogen: no
		NTP	Known: no; Suspected: no
		IARC	Group 1: no; Group 2a: no; Group 2b: no; Group 3: no; Group 4: no;
1332-58-7	Kaolin	OSHA	Select Carcinogen: no
		NTP	Known: no; Suspected: no
		IARC	Group 1: no; Group 2a: no; Group 2b: no; Group 3: no; Group 4: no;

11.1.3. Information on likely routes of exposure:
Ingestion, inhalation, skin contact, eye contact.

11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:
Causes serious eye irritation.
Causes skin irritation.
Suspected of damaging fertility or the unborn child.
May cause damage to organs through prolonged or repeated exposure.

11.1.6. Interactive effects:
No data available.

11.1.7. Absence of specific data:
No information.

11.1.8. Other information:
No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Toxic to aquatic life with long lasting effects.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Hexane - (110-54-3)	2.50, Pimephales promelas	3,878.00, Daphnia magna	Not Available
Calcium carbonate - (471-34-1)	56,000.00, Gambusia affinis	Not Available	Not Available
Kaolin - (1332-58-7)	Not Available	Not Available	Not Available
Pentane, 2-methyl- - (107-83-5)	Not Available	Not Available	Not Available
METHYLPENTANE - (96-14-0)	Not Available	Not Available	Not Available
Methylcyclopentane - (96-37-7)	Not Available	Not Available	Not Available
Toluene - (108-88-3)	5.80, Oncorhynchus mykiss	19.60, Daphnia magna	Not Available
Carbonic acid, magnesium salt (1:1) - (546-93-0)	Not Available	Not Available	Not Available
Isoheptane - (591-76-4)	Not Available	Not Available	Not Available

12.2. Persistence and degradability:
There is no data available on the preparation itself.

12.3. Bioaccumulative potential:
Not measured.

12.4. Mobility in soil:
No data available.

12.5. Results of PBT and vPvB assessment:
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects:
No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:
Disposal according to the local regulations.

13.1.1. Information regarding the disposal of the product:
Residues and spilled material are hazardous waste due to ignitability. Dispose of material in accordance with all federal, state, and local regulations. State and local regulations are complex and may differ from federal regulations. Responsibility for proper waste disposal is with the owner of the waste. Do not flush into surface water or sanitary sewer system. Do not empty into drains. Do not re-use empty containers. The container for this product can present fire or explosion hazards, even when emptied. TO avoid risk of injury, do not cut, puncture, or weld on or near this container.
European Waste Code:
No appropriate EWC code can be given for the substance, since the identification of the proper code can be done with the method of use defined by the user of the substance. The European waste code number has to be determined after a discussion with a specialist dealing with waste disposal.

13.1.2. Information regarding the disposal of the packaging:
Dispose according to the relevant regulations.

13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:
None known.

13.1.4. Sewage disposal:
None known.

13.1.5. Special precautions for any recommended waste treatment:
No data available.

SECTION 14: TRANSPORT INFORMATION

14.1. UN Number:
1133

14.2. UN proper shipping name:
ADHESIVES, CONTAINING A FLAMMABLE LIQUID

14.3. Transport hazard class(es):
DOT/ IMDG/ Air Class: 3

14.4. Packing group:
III.

14.5. Environmental hazards:
Marine Pollutant: yes (Hexane)

14.6. Special precautions for user:
No relevant information available.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:
Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The mixture contains a component, which is listed in Annex XVII of the Regulation 1907/2006 / EC of the European Parliament and of the Council, therefore it is subject to restrictions: Toluene (CAS: 108-88-3) (see Reg. 552/2009/EC, item nr. 48.)

15.2. Chemical safety assessment: no information available.

SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet: none.
Full text of the abbreviations in the safety data sheet:
DNEL: Derived no effect level. PNEC: Predicted no effect concentration. CMR effects: carcinogenity, mutagenicity and toxicity for reproduction. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent, Very Bioaccumulative. n.d.: not defined. n.a.: not applicable.
Key literature references and sources for data: safety data sheet 23. 03. 2016. version 2

Methods used for the classification according to Regulation 1272/2008/EC:

Flammable Liquids 3 – H226	Based on test methods (test data)
Skin irritation 2 – H315	Based on calculation method
Eye irritation 2 – H319	Based on calculation method
Reproductive toxicity 2 – H361fd	Based on calculation method
Specific target organ toxicity (STOT) – repeated exposure 2 – H373	Based on calculation method
Hazardous to the aquatic environment, Chronic 2 – H411	Based on test methods (test data)

Relevant H-Phrases (number and full text) of Section 2 and 3:
H225 – Highly flammable liquid and vapour.
H226 – Flammable liquid and vapour.
H304 – May be fatal if swallowed and enters airways.
H312 – Harmful in contact with skin.
H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H336 – May cause drowsiness or dizziness.
H361fd – Suspected of damaging fertility or the unborn child.
H373 – May cause damage to organs through prolonged or repeated exposure.
H400 – Very toxic to aquatic life.
H410 – Very toxic to aquatic life with long lasting effects.
H411 – Toxic to aquatic life with long lasting effects.
Training advice: no data available.
This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.
The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information. The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.
Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product. It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

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