

SAFETY DATA SHEET

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

1.1. Product identifier:

Approach Treatment (4x1 Gallon)

Alternate Names:

Product Identity: Approach Treatment 4 x 1 gallon

Product Code: 62860078001

1.2. Relevant identified uses of the substance and uses advised against:

Lubricant assistant, restricted 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 2 – H225

Aspiration hazard 1 – H304

Skin irritation 2 – H315

Reproductive toxicity 2 – H361d

Specific target organ toxicity (STOT) – single exposure 3 – H336

Specific target organ toxicity (STOT) – repeated exposure 2 – H373

Warning H statements:

H225 – Highly flammable liquid and vapour.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H361d – Suspected of damaging the unborn child.

H336 – May cause drowsiness or dizziness.

H373 – May cause damage to organs through prolonged or repeated exposure.

Date of revision: -
Version: 2

2.2. Label elements:

Components which define the hazards: Toluene

GHS02



GHS07



GHS08



DANGER

Warning **H statements:**

- H225** – Highly flammable liquid and vapour.
- H304** – May be fatal if swallowed and enters airways.
- H315** – Causes skin irritation.
- H361d** – Suspected of damaging the unborn child.
- H336** – May cause drowsiness or dizziness.
- H373** – May cause damage to organs through prolonged or repeated exposure.

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.
- P261** – Avoid breathing dust/ fume/gas/mist/ vapours/spray.
- P264** – Wash thoroughly after handling.
- P270** – Do not eat, drink or smoke when using this product.
- P271** – Use only outdoors or in a well-ventilated area.
- P280** – Wear protective gloves/protective clothing/eye protection/face protection.
- P301 + P312** – IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- 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.
- P304 + P340 + P312** – IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
- 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).
- P330** – Rinse mouth.
- P332 + P313** – If skin irritation occurs: 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.
- 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
Toluene [1] [2]	108-88-3	203-625-9	-	75 - 100	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

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.

[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:

- Do not induce vomiting, give plenty of water. Seek medical attention.

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:

Notes to Physician: Treat Symptomatically.

Protection of First-Responders: Avoid contact with skin, eyes and clothing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; use artificial respiration with the aid of a pocket mask equipped with a one-way valve or other respiratory medical device.

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.

Inhalation: May cause drowsiness or dizziness.

Skin: Causes skin irritation.

Ingestion: May be fatal if swallowed and enters airways.

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:

Use extinguishing media appropriate to local circumstances and the surrounding environment.

5.1.2. Unsuitable extinguishing media:

No data available.

5.2. Special hazards arising from the substance or mixture:

Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Keep cool.

Ground / bond container and receiving equipment.

Use explosion-proof electrical / ventilating / light / equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advise for fire fighters:

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

ERG Guide No.: 130

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:

Eliminate all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid prolonged breathing of vapors. Corrosive hazard - wear protective gloves/clothing and eye/face protection. Substance is very fluid, spreads quickly, and may splash. Do not try to stop it with shovels or other objects.

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:

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

6.4. Reference to other sections:

No data available.

SECTION 7: HANDLING AND STORAGE

- 7.1. Precautions for safe handling:
Observe conventional hygiene precautions.
Wear protective gloves/eye protection/face protection.
Technical measures:
Ground/Bond container and receiving equipment.
Use explosion-proof electrical equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Precautions against fire and explosion:
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
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.
Store in a well-ventilated place. Keep cool.
Incompatible materials: Strong oxidizing agents and acids.
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:

EH40/2005 Workplace exposure limits:

Toluene (CAS: 108-88-3)	Long-term exposure limit (8-hr) TWA reference period: 50 ppm; 191 mg/m ³ Short-term exposure limit (15 minute reference period): 100 ppm; 384 mg/m ³
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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 eye bath and safety shower. 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: Safety glasses with side shields.
2. Skin protection:
 - a. Hand protection: Chemical resistant gloves (where risk of splashing).
 - b. Other: Chemical resistant gauntlets, boots and apron (where risk of splashing).
3. Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
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:		clear liquid
2. Odour:		solvent
3. Odour threshold:		1.6 ppm
4. pH value:		not measured
5. Melting point/ freezing point:		-95 °C
6. Initial boiling point/boiling range:		110.6 °C
7. Flash point:	Tag Closed Cup	7.2 °C
8. Evaporation rate:		not measured
9. Flammability (solid, gas):		not applicable
10. Upper/lower flammability or explosive limits:		lower explosive limit: 1.1 % upper explosive limit: 7.1 %
11. Vapour pressure:	25 °C	3.8 hPa
12 Vapour density:		not measured
13. Relative density:		0.864 (H ₂ O=1)
14. Solubility(ies):		In water: insoluble
15. Partition coefficient: n-octanol/water:		not measured
16. Auto-ignition temperature:		not measured
17. Decomposition temperature:		not measured
18. Viscosity:		not measured
19. Explosive properties:		not measured
20. Oxidizing properties:		not measured

9.2. Other information:

VOC Content: 100 % (Coating).

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:
Burning produces obnoxious and toxic fumes.
- 10.4. Conditions to avoid:
Excessive heat and open flame.
- 10.5. Incompatible materials:
Strong oxidizing agents and acids.
- 10.6. Hazardous decomposition products:
High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1. Information on toxicological effects:
Acute toxicity: none known.
Skin corrosion/irritation: Causes skin irritation.
Serious eye damage/eye irritation: none known.
Respiratory or skin sensitisation: none known.
Germ cell mutagenicity: none known.
Carcinogenicity: none known.
Reproductive toxicity: Suspected of damaging the unborn child.
STOT-single exposure: May cause drowsiness or dizziness.
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.

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
Toluene (CAS: 108-88-3)	636, Rat - Category: 4	8400, Rabbit - Category: NA	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).

CAS Nr.	Ingredient	Source	Value
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

- 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:
Inhalation: May cause drowsiness or dizziness.
Skin: Causes skin irritation.
Ingestion: May be fatal if swallowed and enters airways.
- 11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:
May be fatal if swallowed and enters airways.
Causes skin irritation.
Suspected of damaging the unborn child.
May cause drowsiness or dizziness.
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:

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Toluene (CAS: 108-88-3)	5,8 Oncorhynchus mykiss	19,6 Daphnia magna	Not Available

- 12.2. Persistence and degradability:
There is no data available on the preparation itself.
- 12.3. Bioaccumulation 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:
Toxic to aquatic life.

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:
No special recommendation from the manufacturer.
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.

Date of revision: -
Version: 2

- 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:
1294
- 14.2. UN proper shipping name:
Toluene
- 14.3. Transport hazard class(es):
DOT/ IMDG/ Air Class: 3
- 14.4. Packaging group:
II.
- 14.5. Environmental hazard:
Marine Pollutant: no
- 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)
- 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: carcinogenicity, 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 (10/08/2015) issued by the manufacturer.

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

Flammable Liquids 2 – H225	Based on test methods (test data)
Aspiration hazard 1 – H304	Based on calculation method
Skin irritation 2 – H315	Based on calculation method
Reproductive toxicity 2 – H361d	Based on calculation method
Specific target organ toxicity (STOT) – single exposure 3 – H336	Based on calculation method
Specific target organ toxicity (STOT) – repeated exposure 2 – H373	Based on calculation method

Relevant H-Phrases (number and full text) of Section 2 and 3:

H225 – Highly flammable liquid and vapour.

H304 – May be fatal if swallowed and enters airways.

H315 – Causes skin irritation.

H361d – Suspected of damaging the unborn child.

H336 – May cause drowsiness or dizziness.

H373 – May cause damage to organs through prolonged or repeated exposure.

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.

Safety data sheet was prepared by: ToxInfo Kft.

Professional help regarding the explanation of the safety data sheet:
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