

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

Initial preparation date: 05.16.2017

Page 1 of 11

## Bufsol Pre-Buff Cleaner

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Product Name:** Bufsol Pre-Buff Cleaner

**Product code:** 816F/QT, 816F/QT, 816F/GAL, 816F/55GAL

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses:** Rubber Cleaner

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### 1.3 Details of the manufacturer/supplier of the safety data sheet

**Manufacturer:**

Tech International, Inc.  
200 East Coshocton Street  
Johnstown, OH 43031  
1-740-967-9015

**Supplier:**

Tech International Europe  
15 Ballinderry Road  
Lisburn, BT28 2SA, UK  
0044 2892 665721  
info@techeurope.co.uk

#### 1.4 Emergency telephone number

**CHEMTREC**

Within USA and Canada: 1-800-424-9300, Outside USA and Canada: +1-703-527-3887

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture:

**Classification according to Regulation (EC) No1278/2008 (CLP):**

Flammable liquids, category 2.

Skin irritation, category 2.

Aspiration hazard, category 1.

Specific target organ toxicity - single exposure, category 3, central nervous system.

Acute aquatic hazard, category 1.

Chronic aquatic hazard, category 1.

**Hazard-determining components of labeling:**

Solvent naphtha (petroleum), light aliphatic

Cyclohexane

Heptane

#### 2.2 Label elements

**Hazard pictograms:**



**Signal word:** Danger

**Hazard statements:**

H225 Highly flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

**Precautionary statements:**

P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

Initial preparation date: 05.16.2017

Page 2 of 11

## Bufsol Pre-Buff Cleaner

- P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/light/equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P262 Do not get in eyes, on skin, or on clothing.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 If swallowed: Immediately call a poison center or doctor/physician.  
P302+P352 If on skin: Wash with soap and water.  
P303+P361+P353 If on skin (or hair): Immediately remove/take off all contaminated clothing. Rinse skin with water/shower.  
P304+P340+P312 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P331 Do not induce vomiting.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P370+P378 In case of fire: Use agents recommended in section 5 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 and container as instructed in Section 13.

### 2.3 Other hazards: None known

## SECTION 3: Composition/information on ingredients

### 3.1 Substance: Not applicable

### 3.2 Mixture:

Identification	Name	Classification according to Regulation (EC) No1278/2008 (CLP)	Weight %
CAS number: 110-82-7	Cyclohexane	Asp. Tox. 1; H304 Skin Irrit. 2 ; H315 Stot SE 3; H336 Flam. Liq. 2; H225 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	1-5
CAS number: 142-82-5	Heptane	Asp. Tox. 1; H304 Skin Irrit. 2 ; H315 Stot SE 3; H336 Flam. Liq. 2; H225 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	30-50
CAS number: 64742-89-8	Solvent naphtha (petroleum), light aliphatic	Asp. Tox. 1; H304 Carc. 1B; H350 Muta. 1B; H340	>90

### Additional information:

\*\*Cyclohexane and Heptane are components present in light naphtha, and because they present unique health and environmental hazards, they are listed separately here for clarity.

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

Initial preparation date: 05.16.2017

Page 3 of 11

## Bufsol Pre-Buff Cleaner

Full Text of H and EUH statements: See section 16

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General notes:**

No additional information.

**Following inhalation:**

Loosen clothing as necessary and position individual in a comfortable position.

Maintain an unobstructed airway.

Get medical advice/attention if you feel unwell.

**Following skin contact:**

Take off all contaminated clothing.

Gently blot or brush away excess product.

Wash with plenty of lukewarm, gently flowing water.

Get medical advice if skin irritation occurs or you feel unwell.

**Following eye contact:**

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

If symptoms develop or persist, seek medical attention.

**Following ingestion:**

Rinse mouth thoroughly.

Seek medical attention if irritation, discomfort, or vomiting persists.

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

**Acute symptoms and effects:**

Not determined or not available.

**Delayed symptoms and effects:**

Not determined or not available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

**Specific treatment:**

Not determined or not available.

**Notes for the doctor:**

Not determined or not available

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing media:**

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

**Unsuitable extinguishing media:**

Do not use a water stream as an extinguisher.

#### 5.2 Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

Vapors can flow to distant ignition sources and flashback.

Liquid is volatile and may generate an explosive atmosphere.

#### 5.3 Advice for firefighters

**Personal protection equipment:**

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

**Special precautions:**

Shut off sources of ignition.

Carbon monoxide and carbon dioxide may form upon combustion.

Heating causes a rise in pressure, risk of bursting and combustion.

### SECTION 6: Accidental release measures

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

Initial preparation date: 05.16.2017

Page 4 of 11

## Bufsol Pre-Buff Cleaner

### 6.1 Personal precautions, protective equipment and emergency procedures:

- Ensure adequate ventilation.
- Ensure air handling systems are operational.
- Wear protective eye wear, gloves and clothing.
- Beware of vapors accumulating to form explosive concentrations.
- Vapors can accumulate in low areas.

### 6.2 Environmental precautions:

- Should not be released into the environment.
- Prevent from reaching drains, sewer or waterway.

### 6.3 Methods and material for containment and cleaning up:

- Wear protective eye wear, gloves and clothing.
- Use spark-proof tools and explosion-proof equipment.
- Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).
- Dispose of contents / container in accordance with local regulations.

### 6.4 Reference to other sections: None

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling:

- Use only with adequate ventilation.
- Avoid breathing mist or vapor.
- Do not eat, drink, smoke or use personal products when handling chemical substances.
- Take precautionary measures against electrostatic discharges.
- Use only non-sparking tools.

### 7.2 Conditions for safe storage, including any incompatibilities:

- Keep container tightly sealed.
- Protect from freezing and physical damage.
- Store in a cool, well-ventilated area.
- Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

### 7.3 Specific end use(s): No additional information.

## SECTION 8: Exposure controls/personal protection



### 8.1 Control parameters

#### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Cyclohexane	110-82-7	ACGIH TLV TWA: 100 ppm
	Heptane	142-82-5	ACGIH TLV TWA: 400 ppm
United States (OSHA)	Cyclohexane	110-82-7	OSHA PEL TWA 300 ppm
	Cyclohexane	110-82-7	OSHA PEL TWA 1050 mg/m <sup>3</sup>
	Heptane	142-82-5	OSHA PEL TWA: 500 ppm
	Heptane	142-82-5	OSHA PEL TWA 2,000 mg/m <sup>3</sup>

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

Initial preparation date: 05.16.2017

Page 5 of 11

## Bufsol Pre-Buff Cleaner

Country (Legal Basis)	Substance	Identifier	Permissible concentration
NIOSH	Cyclohexane	110-82-7	NIOSH REL TWA 300 ppm
	Cyclohexane	110-82-7	NIOSH REL TWA 1050 mg/m <sup>3</sup>
	Heptane	142-82-5	NIOSH TWA: 350 mg/m <sup>3</sup> (85 ppm)

### Biological limit value:

No biological exposure limits noted for the ingredient(s).

### Derived No Effect Level (DNEL):

Not determined or not applicable.

### Predicted No Effect Concentration (PNEC):

Not determined or not applicable.

### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. Biological monitoring may also be appropriate for some substances.

## 8.2 Exposure controls

### Appropriate engineering controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Use explosion-proof ventilation equipment.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

### Environmental exposure controls:

Select controls based on a risk assessment of local conditions.

See section 6 for information on accidental release measures.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Clear colorless liquid
Odor	Hydrocarbon-like
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	96 - 116°C (205 - 241°F)
Flash point (closed cup)	-7 - 0°C (19 - 32°F)
Evaporation rate	3.2 (Butyl Acetate = 1)

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

Initial preparation date: 05.16.2017

Page 6 of 11

## Bufsol Pre-Buff Cleaner

<b>Flammability (solid, gas)</b>	Not determined or not available.
<b>Upper flammability/explosive limit</b>	8.0% (V)
<b>Lower flammability/explosive limit</b>	0.8% (V)
<b>Vapor pressure</b>	30.75 mmHg at 20°C (68°F)
<b>Vapor density</b>	3.3 (Air = 1.0)
<b>Density</b>	Not determined or not available.
<b>Relative density</b>	0.73 - 0.74 at 15.6°C (60.1°F) Reference substance: (Water = 1)
<b>Solubilities</b>	0.05 g/L in water.
<b>Partition coefficient (n-octanol/water)</b>	Not determined or not available.
<b>Auto/Self-ignition temperature</b>	320°C
<b>Decomposition temperature</b>	Not determined or not available.
<b>Dynamic viscosity</b>	Not determined or not available.
<b>Kinematic viscosity</b>	Not determined or not available.
<b>Explosive properties</b>	Not determined or not available.
<b>Oxidizing properties</b>	Not determined or not available.

### 9.2 Other information

#### SECTION 10: Stability and reactivity

- 10.1 Reactivity:** Does not react under normal conditions of use and storage.
- 10.2 Chemical stability:** Stable under normal conditions of use and storage.
- 10.3 Possibility of hazardous reactions:** None under normal conditions of use and storage.
- 10.4 Conditions to avoid:** None known.
- 10.5 Incompatible materials:** None known.
- 10.6 Hazardous decomposition products:** None known.

#### SECTION 11: Toxicological information

##### 11.1 Information on toxicological effects

###### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

###### Substance data:

Name	Route	Result
Heptane	inhalation	LC50: Rat - 4 h - 103,000 mg/l

###### Skin corrosion/irritation

**Assessment:** Causes skin irritation

**Product data:** No data available.

###### Substance data:

Name	Result
Cyclohexane	May cause skin irritation.
Heptane	Causes skin irritation

###### Serious eye damage/irritation

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

###### Respiratory or skin sensitization

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

Initial preparation date: 05.16.2017

Page 7 of 11

## Bufsol Pre-Buff Cleaner

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Heptane	No eye irritation

### Carcinogenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Species	Result
Solvent naphtha (petroleum), light aliphatic	Solvent naphtha (petroleum), light aliphatic	The classification as a carcinogen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

### Germ cell mutagenicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

Name	Result
Solvent naphtha (petroleum), light aliphatic	The classification as a mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

### Reproductive Toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Specific target organ toxicity (single exposure)

**Assessment:** May cause drowsiness or dizziness

**Product data:** No data available.

**Substance data:**

Name	Result
Cyclohexane	May cause drowsiness or dizziness.

### Specific target organ toxicity (repeated exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** May be fatal if swallowed and enters airways

**Product data:** No data available.

**Substance data:** No data available.

**Information on likely routes of exposure:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:** No data available.

**Other information:** No data available.

## SECTION 12: Ecological information

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

Initial preparation date: 05.16.2017

Page 8 of 11

## Bufsol Pre-Buff Cleaner

### 12.1 Toxicity

#### Acute (short-term) toxicity

**Assessment:** Very toxic to aquatic life

**Product data:** No data available.

**Substance data:**

Name	Result
Cyclohexane	Pimephales promelas (fathead minnow) - 4.53 mg/l
	Daphnia magna (Water flea) - 0.9 mg/l - 48 h
	Pseudokirchneriella subcapitata (green algae) - 3.4 mg/l - 72 h
Heptane	LC50 - Carassius auratus (goldfish) - 4 mg/l - 24.0 h
	EC50 - Daphnia magna - 82.5 mg/L - 96 h

#### Chronic (long-term) toxicity

**Assessment:** Very toxic to aquatic life with long lasting effects

**Product data:** No data available.

**Substance data:** No data available.

### 12.2 Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### 12.3 Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### 12.4 Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

### 12.5 Results of PBT and vPvB assessment

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

### 12.6 Other adverse effects:

No data available.

## SECTION 13: Disposal considerations



### 13.1 Waste treatment methods

#### Relevant information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

## SECTION 14: Transport information

### International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

14.1 UN number	1268
14.2 UN proper shipping name	Petroleum Distillates, N.O.S. (Light Aliphatic Naphtha), Marine Pollutant (Cyclohexane, Heptane)
14.3 UN transport hazard class(es)	3  
14.4 Packing group	II
14.5 Environmental hazards	Marine Pollutant



# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)



Initial preparation date: 05.16.2017

Page 9 of 11



## Bufsol Pre-Buff Cleaner

<b>14.6 Special precautions for user</b>	None
<b>Classification code</b>	33
<b>Transport category</b>	2
<b>Tunnel restriction code</b>	(D/E)
<b>Excepted quantities</b>	E2
<b>Limited quantity</b>	1L



### International Carriage of Dangerous Goods by Inland Waterways (ADN)

<b>14.1 UN number</b>	1268
<b>14.2 UN proper shipping name</b>	Petroleum Distillates, N.O.S. (Light Aliphatic Naphtha), Marine Pollutant (Cyclohexane, Heptane)
<b>14.3 UN transport hazard class(es)</b>	3  
<b>14.4 Packing group</b>	II
<b>14.5 Environmental hazards</b>	Marine Pollutant
<b>14.6 Special precautions for user</b>	None
<b>Excepted quantities</b>	E2
<b>Limited quantity</b>	1L

### International Maritime Dangerous Goods (IMDG)

<b>14.1 UN number</b>	1268
<b>14.2 UN proper shipping name</b>	Petroleum Distillates, N.O.S. (Light Aliphatic Naphtha), Marine Pollutant (Cyclohexane, Heptane)
<b>14.3 UN transport hazard class(es)</b>	3  
<b>14.4 Packing group</b>	II
<b>14.5 Environmental hazards</b>	Marine Pollutant
<b>14.6 Special precautions for user</b>	None
<b>EmS number</b>	F-E, S-E
<b>Excepted quantities</b>	E2
<b>Limited quantity</b>	1L

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

<b>14.1 UN number</b>	1268
<b>14.2 UN proper shipping name</b>	Petroleum Distillates, N.O.S. (Light Aliphatic Naphtha), Marine Pollutant (Cyclohexane, Heptane)
<b>14.3 UN transport hazard class(es)</b>	3  
<b>14.4 Packing group</b>	II
<b>14.5 Environmental hazards</b>	Marine Pollutant
<b>14.6 Special precautions for user</b>	None
<b>Excepted quantities</b>	E2
<b>Limited quantity</b>	1L

# Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

Initial preparation date: 05.16.2017

Page 10 of 11

## Bufsol Pre-Buff Cleaner

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

<b>Bulk Name</b>	None
<b>Ship type</b>	None
<b>Pollution category</b>	None

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

#### European regulations

**Inventory listing (EINECS):** Not determined.

**REACH SVHC candidate list:** Not listed

**REACH SVHC Authorizations:** Not listed

**REACH Restriction:** Not listed

**Water hazard class (WGK):** Not determined.

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: Other information

### Indication of changes:

Not applicable.

**Abbreviations and Acronyms:** None

### Summary of classification in section 3:

Asp. Tox. 1; H304	Aspiration hazard, category 1
Skin Irrit. 2 ; H315	Skin irritation, category 2
Stot SE 3; H336	Specific target organ toxicity - single exposure, category 3, central nervous system
Flam. Liq. 2; H225	Flammable liquids, category 2
Aquatic Acute 1; H400	Acute aquatic hazard, category 1
Aquatic Chronic 1; H410	Chronic aquatic hazard, category 1
Carc. 1B; H350	Carcinogenicity, category 1B
Muta. 1B; H340	Germ cell mutagenicity, category 1B

### Summary of hazard statements in section 3:

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H225	Highly flammable liquid and vapour
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H350	May cause cancer
H340	May cause genetic defects

### Disclaimer:

This product has been classified in accordance with EC 1272/2008 (CLP) and EC 1907/2006 (REACH). The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with

## Safety Data Sheet

According to Regulation (EC) No 1272/2008 (CLP) and (EC) No 1907/2006 (REACH)

**Initial preparation date:** 05.16.2017

Page 11 of 11

**BufoSol Pre-Buff Cleaner**

the user.

**Initial preparation date:** 05.16.2017

**End of Safety Data Sheet**