

Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier

Product name	TunnelJet Part A
Product number	803
Brand	Crown Chemical, Inc.

1.2 Other means of identification

TunnelJet Part A

1.3 Recommended use of the chemical and restrictions on use

Low pH Foaming Automotive Presoak

1.4 Supplier's details

Name	Crown Chemical, Inc.
Address	4701 W. 136th. St. Crestwood, Illinois 60418 U.S.A.
Telephone	708-371-6990
Fax	708-371-6992
email	info@crown-chem.com

1.5 Emergency phone number(s)

800-535-5053

SECTION 2: Hazard identification

General hazard statement

Causes Severe Skin Burns and Serious Eye Damage. Harmful if swallowed.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Acute toxicity, oral, Cat. 4
- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1B

2.2 GHS label elements, including precautionary statements

Pictogram



1. Exclamation mark; 2. Corrosion

Signal word

Danger

Hazard statement(s)

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

Precautionary statement(s)

P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P264	Wash hands & skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Safety Data Sheet

TunnelJet Part A

P301+P312
P301+P330+P331
P303+P361+P353

P304+P340
P305+P351+P338

P310
P321
P330
P363
P405
P501

IF SWALLOWED: Call a POISON CENTER /doctor if you feel unwell.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor for treatment advice.
Specific treatment (see details on label).
Rinse mouth.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents and container in accordance with all local, state, national and international regulations.

2.3 Other hazards which do not result in classification

None identified

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Mixture

Hazardous components

1. Phosphoric acid

Concentration	11 - 16 % (By Weight)
EC no.	231-633-2
CAS no.	7664-38-2
Index no.	015-011-00-6
- Skin corrosion/irritation, Cat. 1B H314	Causes severe skin burns and eye damage

2. Ammonium bifluoride

Concentration	4 - 9 % (By Weight)
EC no.	215-676-4
CAS no.	1341-49-7
Index no.	009-009-00-4
- Skin corrosion/irritation, Cat. 1B - Acute toxicity, oral, Cat. 3 H301 H314	Toxic if swallowed Causes severe skin burns and eye damage

Trade secret statement (OSHA 1910.1200(i))

The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice

Do not breathe vapor or mists, which are extremely corrosive to nasal passages, respiratory tract and mucous membranes. Wear NIOSH approved respiratory protection at all times when using this product. Avoid skin contact. Product can absorb through the skin and cause internal damage. Wear protective rubber gloves when handling this product. Wash hands and skin thoroughly after handling. Avoid eye contact. Wear chemical splash goggles which seal to the face when using this product.

Safety Data Sheet

TunnelJet Part A

If inhaled	Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor for treatment advice
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Call a poison control center or doctor for treatment advice if irritation persists.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison control center or doctor for treatment advice.
If swallowed	Rinse out mouth. Do NOT induce vomiting. Immediately call a poison control center or doctor for treatment advice.
Personal protective equipment for first-aid responders	Self-contained breathing apparatus.

4.2 Most important symptoms/effects, acute and delayed

See Section 11 for additional information.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat exposure symptomatically. In all cases of eye contact, ingestion, or inhalation, contact a doctor or Poison Control Center immediately.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Ammonium bifluoride: Hydrogen fluoride, nitrogen oxides, ammonia

5.3 Special protective actions for fire-fighters

Remove all persons from the vicinity. No responsive action should be taken without proper training.

Further information

Remove all persons from the vicinity. No responsive action should be taken without proper training.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

6.2 Environmental precautions

See Section 12 for ecological Information.

6.3 Methods and materials for containment and cleaning up

Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Do not breathe vapor or mists, which are extremely corrosive to nasal passages, respiratory tract and mucous membranes. Wear NIOSH approved respiratory protection at all times when using this product. Avoid skin contact. Product can absorb through the skin and cause internal damage. Wear protective rubber gloves when handling this product. Wash hands and skin thoroughly after handling. Avoid eye contact. Wear chemical splash goggles which seal to the face when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a locked location inaccessible to small children. Keep container closed when not in use. Store in a wellventilated area between 60-100°F (15- 38°C).

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Phosphoric acid (CAS: 7664-38-2 EC: 231-633-2)

PEL (Inhalation): 1 mg/m³; USA (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1 mg/m³, (ST) 3 mg/m³; USA (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1 mg/m³, (ST) 3 mg/m³; USA (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 1 mg/m³, (ST) 3 mg/m³; USA (ACGIH)
OSHA Annotated Table Z-1, www.osha.gov

2. Ammonium bifluoride (CAS: 1341-49-7 EC: 215-676-4)

TWA (Inhalation): 2.5 mg/m³ (OSHA)

TLV® (Inhalation): 2.5 mg/m³ (ACGIH)

8.2 Appropriate engineering controls

Use with adequate ventilation to maintain exposure limits below listed thresholds.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear chemical splash goggles which seal to the face when using this product.

Skin protection

Product can absorb through the skin and cause internal damage. Wear protective rubber gloves when handling this product.

Body protection

Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. Call a poison control center or doctor for treatment advice if irritation persists.

Respiratory protection

Wear NIOSH approved respiratory protection at all times when using this product.

Thermal hazards

No data available.

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Pink Liquid
Odor	Characteristic
Odor threshold	No data available.
pH	<2.0 (1% solution, 22°C)
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	None
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	9.22±0.1 (lbs/gal, 22°C)
Solubility(ies)	100%
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	>1.0 (H ₂ O =1.0)
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Product is stable under normal storage and usage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials

Phosphoric acid: Strong bases, Powdered metals

Ammonium bifluoride: Strong oxidizing agents

10.6 Hazardous decomposition products

Phosphoric acid: Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus

Ammonium bifluoride: Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NO_x),

Hydrogen fluoride

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Eyes, Skin, Ingestion, Inhalation

Safety Data Sheet

TunnelJet Part A

Skin corrosion/irritation

Irritation, pain, redness, blistering.

Serious eye damage/irritation

Irritation, pain, redness, watering.

Respiratory or skin sensitization

Coughing, choking, respiratory tract irritation, breathing difficulty.

Germ cell mutagenicity

No data available.

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No known significant effects or critical hazards.

SECTION 12: Ecological information

Toxicity

Ammonium bifluoride - LD50 Oral - Rat - 130 mg/kg

Persistence and degradability

No data available on product.

Bioaccumulative potential

No data available on product.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Disposal of the product

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

Disposal of contaminated packaging

Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

Safety Data Sheet

TunnelJet Part A

SECTION 14: Transport information

DOT (US)

UN Number: NA 1760

Class: 8

Packing Group: II

Proper Shipping Name: NA 1760, Compounds, Cleaning Liquid, 8, PGII, (Contains Phosphoric Acid and Ammonium Bifluoride)

Reportable Quantity (RQ): 5882 lbs

Note: Certain package sizes of this product may qualify for exceptions to DOT's packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components

Phosphoric acid, CAS number: 7664-38-2

Ammonium bifluoride, CAS number: 1341-49-7

New Jersey Right To Know Components

Phosphoric acid, CAS number: 7664-38-2

Ammonium bifluoride, CAS number: 1341-49-7

Pennsylvania Right To Know Components

Phosphoric acid, CAS number: 7664-38-2

Ammonium bifluoride, CAS number: 1341-49-7

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.