SAFETY DATA SHEET

SDS Name: XTC Aerosol
SDS Number: 651XX
Version Number: 0001
SDS Date: OCT-29-2021

SECTION 1. IDENTIFICATION

Product Name:	**XTC Aerosol**
CAS Number	**N/A**
Hazard Rating:	**Health: 2 Fire: 4 Reactivity: 0 PPI:**
Company Identification:	**Advanced Protective Technology LLC** **1101 Cumberland Xing #180** **Valparaiso, IN 46383**
Contact:	**support@kbs-coatings.com**
Telephone/Fax:	**(219) 263-0073**
Emergency Phone (24 Hour):	**Infotrac 800-535-5053**

Product Class	**AEROSOL**
Trade Name	**XTC Aerosol**
Product Code	**651XX**

SECTION 2. HAZARD(S) IDENTIFICATION

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200)(Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations)(WHMIS 2015)

GHS Hazards:

- **Skin Corrosion/Irritation – Category 2**
- **Serious eye damage/Eye irritation – Category 2A**
- **Carcinogenicity – Category 2**
- **Reproductive Toxicity – Category 2**
- **Specific target organ toxicity – Category 3**
- **Specific target organ toxicity (repeated exposure) – Category 2**
- **Aspiration hazard – Category 1**
- **Flammable aerosols – Category 1**
- **Gases under pressure – Compressed Gas**

Label Elements:

Hazard Pictograms:

Signal Word: Danger

Hazard Statements:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H351 Suspected of causing cancer.
H361 Suspected of damaging fertility or the unborn child.
H336 May cause drowsiness or dizziness.
H371 May cause damage to organs (Central Nervous System, Eyes, Kidney, Liver, Respiratory System, and Skin) through prolonged or repeated exposure.
H305 May be harmful if swallowed and enters airways.

Precautionary Statements:

Prevention

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P280 Wear protective gloves, protective clothing, eye protection, and face protection.
P264 Wash face, hands and any exposed skin thoroughly after handling.
P261 Do not breathe dust, fume, gas, mist, vapours, or spray.
P271 Use only outdoors or in a well-ventilated area.
H229 Pressurized container: may burst if heated.
P211 Do not spray on an open flame or other ignition source.

Response

P308 + P313 IF exposed or concerned: Get medical advice/attention.
P321 Specific treatment see first aid on this label.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER, doctor, or hospital emergency room if you feel unwell.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER, doctor or hospital emergency room.
P331 Do NOT induce vomiting.

Storage:

P403 + P235 (S) Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Disposal:

P501 Dispose of contents and empty container in accordance with local, state and federal regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	Percent
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	30-40
TOLUENE (HAPS)	108-88-3	20-30
ACETONE	67-64-1	10-20
N-BUTYL ACETATE	123-86-4	1-10
XYLENE (HAPS)	1330-20-7	1-10
ETHYL BENZENE (HAPS)	100-41-4	1-10
ETHANOL	64-17-5	0.1-1

* The exact percentage (concentration) of composition has been withheld as a trade secret.

SECTION 4. FIRST AID MEASURES

Eyes - flush thoroughly with running water for 15 minutes, including under eyelids. Get medical attention.

Skin - promptly remove contaminated clothing and wash affected areas thoroughly with soap and water. If irritation occurs get medical attention. Wash contaminated clothing thoroughly before re-use.

Inhalation - if overcome by vapor, remove to an area free from risk of further exposure. If breathing is difficult, administer oxygen, or artificial respiration if breathing has stopped. Keep person warm and quiet and get medical attention.

Ingestion - if swallowed, call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE:

Pre-existing eye, skin, liver and/or kidney disorders may be aggravated by exposure to this product.

Chronic (long term) exposure:

In laboratory animals - overexposure to this material (or its components) has been found to cause the following effects; anemia, liver abnormalities, kidney, lung and spleen damage.

In humans - liver and cardiac abnormalities.

Toluene may be harmful to the fetus based on laboratory animal studies. Repeated exposure to toluene has been associated with high frequency hearing loss based on evidence in laboratory animals. The human health consequences of this finding is uncertain.

Chronic overexposure to xylene has been suggested to cause cardiac abnormality in humans.

SECTION 5. FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:

Foam, alcohol foam, CO2, dry chemical, water fog may be ineffective but should be used to cool fire-exposed containers to prevent pressure build up and possible auto-ignition or explosion when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES:

Use full protection equipment including self-contained breathing apparatus(NIOSH approved) for respiratory protection in fighting fires in enclosed or confined spaces, or as otherwise needed. Minimize breathing gases, vapors, fumes or decomposition products.

UNUSUAL FIRE & EXPLOSION HAZARDS:

During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SECTION 6. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Before attempting cleanup, refer to hazard caution information in other sections of this sheet. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Large spills - notify safety personnel. Eliminate potential sources of ignition. Wear appropriate respirator and protective clothing. Soak up with an absorbent, I.E. sand, clay, or other suitable material. Place in non-leaking containers and seal tightly for proper disposal. Ventilate confined spaces. Minimize breathing vapors. Open all windows and doors. Minimize skin contact. Keep product out of sewers and water courses by diking and impounding. Observer precautions for volatile, combustible vapors from absorbed material.

Small spills - take up with absorbent material and place in non-leaking containers for proper disposal.

SECTION 7. HANDLING AND STORAGE

Do not handle until all safety precautions have been read and understood. Ensure that all equipment is electrically grounded before beginning transfer operations. Keep away from heat and sources of ignition. Store in a well-ventilated place. Keep cool. Store locked up.

CAUTION! FLAMMABLE! Handling and storage conditions must be suitable for OSHA CLASS I flammable liquid. Store in cool, well-ventilated, fire resistant storage area. Protect containers against physical damage. Keep away from heat, flame, and strong oxidizing agents. Do not store above 100 degrees F. Use only with adequate ventilation. Keep containers closed when not in use. Do not breathe vapor or mist. Avoid contact with eyes, skin and clothing. Do not take internally. Bond and ground containers of this material when pouring to avoid static sparks which create a fire hazard.

OTHER PRECAUTIONS:

Contact lenses pose a special hazard; soft lenses may absorb and all lenses concentrate irritants.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

	ACGIH TLV TWA	OSHA PEL TWA
PROPANE/ISOBUTANE/N-BUTANE	1000.00 PPM	1800.00 MG/M3
TOLUENE	20.00 PPM	200.00 PPM

ACETONE	250.00 PPM	1000.00 PPM
N-BUTYL ACETATE	150.00 PPM	150.00 PPM
XYLENE (HAPS)	100.00 PPM	100.00 PPM
ETHYL BENZENE	20.00 PPM	100.00 PPM
ETHANOL	1000.00 PPM	1000.00 PPM

RESPIRATORY PROTECTION:
Use NIOSH approved respirator as required to prevent overexposure.
Unconfined spaces - use a vapor/particulate respirator such as NIOSH approved No. TC-23C.
Confined spaces - use a constant flow air-line respirator such as NIOSH approved NO. TC-19C.

VENTILATION:
Provide sufficient ventilation to keep air contaminant concentration below current applicable OSHA permissible exposure limit or ACGIH's TLV limit.
No smoking or open lights.

PROTECTIVE GLOVES:
Use chemical-resistant gloves to prevent skin contact.

EYE PROTECTION:
Use chemical splash goggles or face shield to prevent eye contact.

OTHER PROTECTIVE EQUIPMENT:
Use chemical-resistant or other protective outerwear to protect against clothing contamination and skin contact.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	LIQUID AND GASS UNDER PRESSURE
Appearance/Color:	BLACK
pH Value:	Not Applicable
Boiling Range:	-43.7°F - 293.°F
Melting Point:	Not Applicable
Evaporation Rate:	4.188 times Faster than n-Butyl Acetate
Vapor Density:	Heavier than air
Partition Coefficient	Not Available
% Volatile Weight	87.35 87.3%

% Volatile Volume	**93.9 94.%**
Specific Gravity:	**0.78893**
Weight/Gallon:	**7.22 lbs**
VOC	**6.31 LBS/GAL**
Heavy Elements (ppm)	**0.**
Flammability Class	**1A**
Flash Range:	**-156.°F - 84.2°F**
Explosive Range:	**1.%**
	19.%

SECTION 10. STABILITY AND REACTIVITY

Stability:	**This product is stable**
Hazardous Polymerization:	**Hazardous polymerization will not occur**

INCOMPATIBILITY:
Avoid contact with strong oxidizing agents, acids or bases.
CONDITIONS TO AVOID:
Avoid heat, open flames.
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon monoxide and unidentified organics may be formed.

SECTION 11. TOXICOLOGICAL INFORMATION

Route	Species	Exposure and Dose
TOLUENE (HAPS)		
Inhalation	**Rat**	**LC50 4 HOURS 12.5. mg/L**
Oral	**Rat**	**LD50 2600. mg/kg**
Skin	**Rabbit**	**LD50 12000. mg/kg**
ACETONE		
Inhalation	**Rat**	**LC50 8 HOURS 50100 mg/m3**
Oral	**Rat**	**LD50 5800. mg/kg**
N-BUTYL ACETATE		
Inhalation	**Rat**	**LC50 390. PPM**
Oral	**Rat**	**LD50 10768. mg/kg**
Skin	**Rabbit**	**LD50 17600. mg/kg**
XYLENE (HAPS)		
Inhalation	**Rat**	**LC50 4 HOURS 29.08 mg/l**
Oral	**Rat**	**LD50 3500 mg/kg**
Skin	**Rabbit**	**LD50 4350. mg/kg**

ETHYL BENZENE (HAPS)

Inhalation	Rat	LC50 4 HOURS 17.2 mg/l
Oral	Rat	LD50 3500 mg/kg
Skin	Rabbit	LD50 15400. mg/kg

ETHANOL

Inhalation	Rat	LC50 4 HOURS 124.7 mg/l
Oral	Rat	LD50 7060 mg/kg

Reproductive toxicity

Toluene: Case studies of person abusing toluene suggest isolated incidences of adverse effects on the fetus including birth defects.

Carcinogenic toxicity

Toluene: No data available

Product	OSHA	IARC	NTP
Toluene	-	3	-
Xylene	-	3	-
Ethyl Benzene	-	2B	-

EFFECTS OF OVEREXPOSURE:

Primary route(s) of entry:

(X) Dermal (X) Inhalation ( ) Ingestion

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SECTION 12. ECOLOGICAL INFORMATION

Toxicity

PRODUCT	RESULT	SPECIES	EXPOSURE
Toluene	EC50 433 ppm	Algae - Skeletonema Costatum	96 hours
	EC50 12,500 Micrograms/liter Fresh Water	Algae - Pseudokirchneriella Subcapitata	72 hours
	EC50 11,600 Micrograms/liter Fresh Water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	EC50 6,000 Micrograms/liter Fresh Water	Daphnia - Daphinia magna Juvenile	48 hours

	LC50 5,500 Micrograms/liter Fresh Water	Fish – Oncorhynchus kisutch – Fry	96 hours
	NOEC 500,000 Micrograms Fresh Water	Algae – Pseudokirchneriella subcapitata	96 hours
	NOEC 1,000 Micrograms/liter Fresh Water	Daphnia – Daphnia magna	21 days
Xylene	LC50 13.4 Micrograms/liter	Pimephales promelas	96 hours flow-through
	LC50 2.661–4.09 Micrograms/liter	Fish – Oncorhynchus mykiss	96 hours static
	LC50 13.5–17.3 Micrograms/liter	Fish – Oncorhynchus mykiss	96 hours
Ethyl Benzene	EC50 4.6 Micrograms/liter	Algae – Pseudokirchneriella Subcapitata	72 hours
	EC50 438 Micrograms/liter	Algae – Pseudokirchneriella Subcapitata	96 hours
	EC50 2.6–11.3 Micrograms/liter	Algae – Pseudokirchneriella Subcapitata	72 hours static
	LC50 11.0–18.0 Micrograms/liter	Fish – Oncorhynchus mykiss	96 hours static
	LC50 4.2 Micrograms/liter	Fish – Oncorhynchus mykiss	96 hours static
	EC50 1.8–2.4 Micrograms/liter	Daphnia – Daphnia magna	48 hours
Etanol	LC50 12.0–16.0 Micrograms/liter	Fish – Oncorhynchus mykiss	96 hours static
	LC50 9268–14221 Micrograms/liter	Daphnia – Daphnia magna	48 hours

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Assure conformity with applicable federal, state and local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT:

CONSUMER COMMODITY ORM-D
OR
LIMITED QUANTITY

IMDG:

UN1950, AEROSOLS, 2.1, LTD. QTY.

IATA:

UN1950, AEROSOLS, 2.1, LTD. QTY.

SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations

Ingredient	TSCA	DSL	CERCLA RQ
TOLUENE	Y	Y	1,000 lbs
ACETONE	Y	Y	5,000 lbs
BUTYL ACETATE	Y	Y	5,000 lbs
XYLENE	Y	Y	100 lbs
ETHYL BENZENE	Y	Y	1,000 lbs

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Ingredient Name	CAS Number	Percent
TOLUENE	108-88-3	20-30%
XYLENE	1330-20-7	1-10%
ETHYL BENZENE	100-41-4	1-10

WHMIS

Class A: Compressed gas
Class B5: Flammable aerosol
Class D2B: Toxic materials

RIGHT TO KNOW

Ingredient	CAS	New Jersey	Massachusetts	Pennsylvania
Toluene	108-88-3	Y	Y	Y
Acetone	67-64-1	Y	Y	Y
Butyl Acetate	123-86-4	Y	Y	Y
Xylene	1330-20-7	Y	Y	Y
Ethyl Benzene	100-41-4	Y	Y	Y
Ethanol	64-17-5	Y	Y	Y

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ingredient Name	CAS Number	Prop 65
Toluene	108-88-3	Developmental
Ethyl Benzene	100-41-4	Carcinogen
Ethanol	64-17-5	Carcinogen/Developmental

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SECTION 16. OTHER INFORMATION

The information and recommendations contained herein are based on data believed to be correct. However, APT makes no warranty express or implied regarding the accuracy of these data or results to be obtained from the use thereof. APT assumes no responsibility for personal injury or property damaged caused by use of the material described herein. It is the responsibility of the purchaser or user to ensure that this material is properly and safely used.