

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Identification

Product name **BLAST-OFF**
Cured Plastisol Ink & Stain Remover & Degreaser

Date of issue 07/01/2022 Supercedes 7/1/2015

Company Identification

Atlas Screen Supply Company
9353 Seymour Avenue
Schiller Park, IL 60176
Phone (847) 233-0515

For Emergency - 24 Hour
INFOTRAC (800) 535-5053

Section 2. Hazards Identification

Emergency overview

*Hazard Determination System (HDS): Health, Flammability, Reactivity

DANGER !



NON-FLAMMABLE. HARMFUL OR FATAL IF SWALLOWED.
HARMFUL IF INHALED.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Dermal contact. Inhalation.

Eyes

Causes eye irritation. Liquid in eye may cause irritation with possible damage if not rinsed immediately.

Skin

Causes skin irritation. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, or reddening.

Inhalation

DO NOT breathe vapors or spray mist. Harmful if inhaled. Over-exposure by inhalation may cause respiratory irritation. High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness. Severe over-exposure can result in death. Can cause central nervous system (CNS) depression.

Ingestion

HARMFUL OR FATAL IF SWALLOWED. Aspiration hazard if swallowed. Can enter lungs and cause damage.

Chronic effects

Repeated or prolonged exposure to the substance can produce target organs damage. Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Contains material which may cause damage to the following organs: blood, kidneys, lungs, liver, peripheral nervous system, gastrointestinal tract, central nervous system (CNS).
Defatting to the skin.

Carcinogenicity Contains material which can cause cancer. Risk of cancer depends on duration and level of exposure.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number

% by Weight

TETRACHLOROETHYLENE; perchloroethylene; perc; carbon bichloride
METHYLENE CHLORIDE; dichloromethane; methylene dichloride

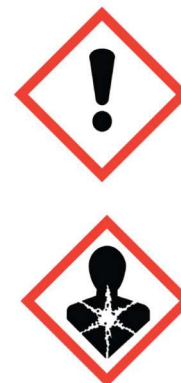
127-18-4

75-09-2

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10-20

60-90



Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.
Skin Contact	Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
Inhalation	Move exposed person to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion	Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



Flash Point	None to Boiling point. Closed cup: 76.66°C (170°F). (Tagliabue.)
Flammable Limits	Lower: 1% Upper: 15%
Flammability	KLKB
Fire hazard	NON-FLAMMABLE

Fire-Fighting Procedures	Use dry chemical, CO ₂ , water spray (fog) or foam. Do not release runoff from fire to sewers or waterways.
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Section 6. Accidental Release Measures

Spill Clean up	Eliminate all ignition sources. Put on appropriate personal protective equipment (see section 8). Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Store and use away from heat, sparks, open flame or any other ignition source. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wash thoroughly after handling. Empty containers retain product residue and can be hazardous. Do not reuse container. Observe label precautions.
Storage	Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name****Exposure limits**

TETRACHLOROETHYLENE; perchloroethylene; perc; carbon bichloride

ACGIH TLV (United States).TWA: 25 ppm 8 hour(s).
STEL: 100 ppm 15 minute(s).**OSHA PEL (United States).**TWA: 100 ppm 8 hour(s).
CEIL: 200 ppm

METHYLENE CHLORIDE; dichloromethane; methylene dichloride

OSHA PEL (United States).TWA: 25 ppm 8 hour(s). Form: Vapor
OSHA (United States).
STEL: 125 ppm 15 minute(s). Form: Vapor**Personal Protective Equipment (PPE)****Eyes**

Use safety goggles.

**Body**

Wear appropriate protective clothing to prevent skin contact. Recommended: Viton gloves. Wear apron or coverall if there is a risk of exposure to splashes.

Methylene Chloride**WARNING**

Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to the central nervous system through prolonged or repeated inhalation. May cause damage to the liver or blood through prolonged or repeated ingestion.

PREVENTION

Wash hands and any other contaminated skin thoroughly after handling. Wear protective gloves, eye protection, and respirator. Do not eat, drink or smoke when using this product. Do not breathe vapors. Use only outdoors or in a well-ventilated area.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

RESPONSE**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. If eye irritation persists: Get medical advice/attention. **If on skin:** Take off immediately all contaminated clothing. Wash with plenty of water, and soap if available. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical attention.
If exposed or concerned: Get medical advice. Call a poison center or doctor if you feel unwell.**STORAGE:** Store in a well-ventilated place. Keep container tightly closed.**WARNING:** This product contains a chemical known to the State of California to cause cancer.

Respiratory Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

Section 9. Physical and Chemical Properties

Physical State	Thin liquid	Color	Clear.
pH	Not applicable	Odor	Sweetish. Solvent-like. [Strong]
Boiling Point	38.9°C (102°F)	Vapor Pressure	12 kPa (90 mm Hg)
Specific Gravity	1.04	Vapor Density	>1 [Air = 1]
Solubility	Insoluble in the following materials: cold water and hot water.	Evaporation Rate	>1 (Butyl acetate. = 1)
		VOC (Consumer)	45.6% 4.0 lbs/gal

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive or incompatible with the following materials: oxidizing materials, metals and alkalis.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Emits very toxic fumes when heated to decomposition. Phosgene gas. Hydrogen chloride (HCl).

Section 11. Toxicological Information

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Tetrachloroethylene	LD50 Dermal	Rabbit	10000 mg/kg	-
	LD50 Oral	Rat	2629 mg/kg	-
Methylene Chloride	LD50 Oral	Rat	2136 mg/kg	-

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.

Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
Tetrachloroethylene	-	Acute LC50 13 mg/L	Fish - Bluegill.	4 hours
Methylene Chloride	-	Acute LC50 244 mg/L	Daphnia	4 hours

Section 13. Disposal Considerations

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: D039
 Classification: - [Hazardous waste.]
 Origin: - [RCRA waste.]

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	2810	TOXIC LIQUIDS ORGANIC, N.O.S. (MCL)	6.1	III	
IMDG Class	Not determined.				

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG* : Packing group

UN 2810 SHIPS AS FOLLOWS: 1 TO 4 GALLONS ORM-D (SHIPS AS NON-HAZARDOUS); 5 GALLONS IN ONE CONTAINER REQUIRES A HAZARDOUS LABEL AND PAPER WORK. ANY QUANTITY OF SINGLE GALLONS IS NOT CONSIDERED HAZARDOUS UNLESS SHIPPED VIA LTL (LESS THAN TRUCK LOAD) VIA TRUCK LINE.

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

Product name

Tetrachloroethylene
Methylene Chloride

Clean Water Act (CWA) 307: Tetrachloroethylene

Clean Water Act (CWA) 311: Methylene Chloride

Clean Air Act (CAA) 112 regulated toxic substances: Tetrachloroethylene; Methylene Chloride

All Components of this product are listed or exempt from listing on TSCA Inventory.

State Regulations**California Prop 65**

WARNING: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.:
Tetrachloroethylene; Methylene Chloride

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.