

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

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MSDS Number: R0145107  
Version: 1.2

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Regulatory Information Number  
Telephone  
Emergency telephone

\*SEE BELOW  
800-621-4173 -ATLAS SCREEN SUPPLY CO.  
800-535-5053 (INFOTRAC)

Product name  
Product code  
Product Use Description

BLAST OFF  
#636  
PLASTISOL INK & SPOT REMOVER

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Appearance: liquid,, white

CAUTION! MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY BE HARMFUL IF INHALED. MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY SKIN, CAUSE IRRITATION AND BURNS.

### Potential Health Effects

#### **Routes of exposure**

Inhalation, Skin contact, Ingestion

#### **Eye contact**

May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

#### **Skin contact**

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Widespread skin contact with methylene chloride may cause an intense burning feeling followed by a cold, numb feeling which lessens after contact ends.

#### **Ingestion**

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get

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into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

## **Inhalation**

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

## **Aggravated Medical Condition**

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions), liver, kidney, central nervous system, spleen. Exposure to this material may aggravate any preexisting condition sensitive to a decrease in available oxygen, such as chronic lung disease, coronary artery disease or anemias.

## **Symptoms**

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: redness of the face and neck, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness), elevated carbon monoxide levels in the blood, and death

## **Target Organs**

Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: lung damage, kidney damage, liver damage. Overexposure to this material (or its components) has been suggested as a cause of the following effects in humans: mild effects on color vision, liver abnormalities, spleen damage, kidney damage, lung damage, brain damage

## **Carcinogenicity**

Methylene chloride has been shown to cause liver and lung cancer in laboratory mice. Follow-up studies suggest that the cancer is specific to the mouse and may not be relevant to humans. Methylene chloride has not been shown to be carcinogenic in humans. It is listed as carcinogenic by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), and the Occupational Safety and Health Administration (OSHA). Exposure to perchloroethylene has been shown to cause cancer in laboratory animals. It has been listed as a possible carcinogen by the International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP).

## **Reproductive hazard**

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This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration
METHYLENE CHLORIDE	75-09-2	>=60-<70%
TETRACHLOROETHENE	127-18-4	>=30-<40%

## 4. FIRST AID MEASURES

### Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

### Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

### Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

### Inhalation

If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

### Notes to physician

**Hazards:** Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

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**Treatment:** No information available.

## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Water mist, Carbon dioxide (CO<sub>2</sub>), Dry chemical

### Hazardous combustion products

May form: carbon dioxide and carbon monoxide, hydrogen chloride, Phosgene, various hydrocarbons

### Precautions for fire-fighting

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. No flash to boiling point. This product contains halogenated solvents which inhibit flashing until the halogenated solvent has been evaporated away. The product may become combustible or flammable after this occurs. Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

For personal protection see section 8. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

### Environmental precautions

Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required, that a spill has occurred.

### Methods for cleaning up

Absorb liquid on vermiculite, floor absorbent or other absorbent material.

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## 7. HANDLING AND STORAGE

### Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.

### Storage

Aluminum equipment should not be used for storage and/or transfer, e.g. pumps, mixers, fittings, storage tanks, etc. Contact with aluminum parts in a pressurizable fluid system may cause violent reactions.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

METHYLENE CHLORIDE		75-09-2
ACGIH	time weighted average	50 ppm
OSHA	time weighted average	25 ppm
OSHA	Short term exposure limit	125 ppm
OSHA	OSHA Action level:	12.5 ppm
TETRACHLOROETHENE		127-18-4
OSHA Z2	time weighted average	100 ppm
OSHA Z2	Ceiling Limit Value:	200 ppm
OSHA Z2	Maximum concentration:	300 ppm
ACGIH	time weighted average	25 ppm
ACGIH	Short term exposure limit	100 ppm

### General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

### Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

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## Eye protection

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Consult your safety representative.

## Skin and body protection

Wear resistant gloves (consult your safety equipment supplier).  
To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

## Respiratory protection

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH-approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure. See 29 CFR 1910.1052 for specific OSHA requirements for employee exposure to methylene chloride.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	No data
Colour	white
Odour	hydrocarbon-like
Boiling point/boilingrange	39.75 °C / 103.55 °F@ 1,013.23 hPa
pH	No data
Flash point	1 °F / -17 °C
Evaporation rate	No data
Explosion limits	15.5 %(V) 66.4 %(V)
Vapour pressure	579.94 hPa @ 77 °F / 25 °C
Vapour density	(>) 1 (AIR=1)
Density	1.4305 g/cm <sup>3</sup> @ 68.00 °F / 20.00 °C 11.91 lb/gal @ 68.00 °F / 20.00 °C
Solubility	No data
Partition coefficient: n-octanol/water	No data
Autoignition temperature	No data

## 10. STABILITY AND REACTIVITY

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## Stability

Stable.

## Conditions to avoid

Avoid contact with:

## Incompatible products

Avoid contact with: aluminum, strong alkalis, strong oxidizing agents

## Hazardous decomposition products

May form: carbon dioxide and carbon monoxide, hydrogen chloride, Phosgene, various hydrocarbons

## Hazardous reactions

Product will not undergo hazardous polymerization.

## Thermal decomposition

No data

## 11. TOXICOLOGICAL INFORMATION

### Acute oral toxicity

METHYLENE CHLORIDE LD 50 Rat: 1,600 mg/kg

TETRACHLOROETHENE LD 50 Rat: 2,629 mg/kg

### Acute inhalation toxicity

METHYLENE CHLORIDE LC 50 Rat: 52 mg/l , 6 h

TETRACHLOROETHENE LC 50 Mouse: 2,978 mg/l .

### Acute dermal toxicity

TETRACHLOROETHENE LD 50 Rabbit: > 3,228 mg/kg

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## 12. ECOLOGICAL INFORMATION

### Aquatic toxicity

#### Acute and Prolonged Toxicity to Fish

No data

#### Acute Toxicity to Aquatic Invertebrates

No data

### Environmental fate and pathways

No data

## 13. DISPOSAL CONSIDERATIONS

### Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

## 14. TRANSPORT INFORMATION

### MDG :

UN2810, TOXIC LIQUID, ORGANIC, N.O.S. (METHYLENE CHLORIDE, ) 6.1, III

### IATA\_P :

UN2810, Toxic liquid, organic, n.o.s. (METHYLENE CHLORIDE, ) 6.1, III

### IATA\_C :

UN2810, Toxic liquid, organic, n.o.s. (METHYLENE CHLORIDE, ) 6.1, III

### CFR\_ROAD :

UN2810, Toxic, liquids, organic, n.o.s. (METHYLENE CHLORIDE, ) 6.1, III

### CFR\_RAIL :

UN2810, Toxic, liquids, organic, n.o.s. (METHYLENE CHLORIDE, ) 6.1, III

### CFR\_INWTR :

UN2810, Toxic, liquids, organic, n.o.s. (METHYLENE CHLORIDE, ) 6.1, III

Dangerous goods descriptions (if indicated above) may not reflect package size, quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

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## 15. REGULATORY INFORMATION

### California Prop. 65

WARNING! This product contains a chemical known in the State of California to cause cancer.

METHYLENE CHLORIDE

TETRACHLOROETHENE, PERCHLOROETHYLENE

**SARA Hazard Classification**      Acute Health Hazard  
Chronic Health Hazard

### SARA 313 Component(s)

METHYLENE CHLORIDE	75-09-2	60.266%
TETRACHLOROETHENE	127-18-4	39.734%

	Health	Flammability	Reactivity	Other
HMIS	1*	3	0	
NFPA				No data

## 16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.