MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION

Product identifier: One Stop Blow Out, Cured Plastisol Remover
Product use: Spot cleaning of apparel and textiles.
Manufacturer's name and address: Refer to supplier
Supplier name and address:

ONE STOP
2686 Northridge Drive N.W.
Grand Rapids, Michigan
United States
49544
616-784-0404

Emergency Telephone #: Chemtrec (Day or Night) 800-424-9300
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)
This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1. This MSDS complies with 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD).
IMPORTANT: Read this MSDS before handling and disposing of this product. Pass this information on to employees, customers, and users of this product.

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

CONTAINS: 75-85% METHYLENE CHLORIDE (75-09-2) [200-830-9],
0-10% PERCHLOROETHYLENE (127-18-4),
0-10% ETHANOL (64-17-5) [200-578-6],
0-2% ISOPROPANOL (67-63-0) [200-662-7],
0-1% N-PROPYL ACETATE (109-60-4)
Number in parentheses is CAS #, number in brackets in European EC #.

SECTION 3 — HAZARDS IDENTIFICATION

RISK STATEMENTS:

R36/37/38	Irritating to eyes, respiratory system and skin.
R20/65	Harmful by inhalation, may cause lung damage if swallowed.

SAFETY STATEMENTS:

S7	Keep container tightly closed.
S16	Keep away from sources of ignition. No smoking.
S23	Do not breathe gas, fumes, vapor, or spray.
S29	Do not empty into drains.
S33	Take precautionary measures against static discharges.
S61	Avoid release to the environment. Refer to special instructions/safety data sheet.
S36/37	Wear suitable protective clothing and gloves.

SECTION 4 — FIRST AID MEASURES

EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap water. Wash contaminated clothing before reuse.

INHALATION:

After high vapour exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give artificial respiration.

SWALLOWING:

If swallowed, get immediate medical advice. Inducing vomiting may cause aspiration into the lungs.

SECTION 5 — FIRE FIGHTING MEASURES

EXGINGUISHING MEDIA

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class III-B liquid fires.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES

Slightly combustible. Keep container tightly closed.
Isolate from oxidizers, heat, sparks, electric equipment & open flame.
Closed containers may explode if exposed to extreme heat.
Applying to hot surfaces requires special precautions.
Empty container very hazardous! Continue all label precautions!

SECTION 6 — ACCIDENTAL RELEASE MEASURES

CONTAINMENT TECHNIQUES

Stop spill at source. Dike area & contain.

CLEAN-UP PROCEDURES:

Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.

OTHER PRECAUTIONS:

Do not drink alcohol shortly before, during or after use.

SECTION 7 — HANDLING AND STORAGE

HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Use only with adequate ventilation. Avoid breathing of vapour or spray mist.
Do not get in eyes, or skin or clothing.
Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.
Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.
Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze or weld.
Empty container very hazardous! Continue all label precautions!

STORAGE

When using, loosen bung slowly to relieve pressure.
Do not store above 38°C / 100°F. Store large amounts in structures made for OSHA Class III B liquids.
Contact with hot surfaces can produce toxic gases. Keep container closed & upright when not in use to prevent leakage. Contact with hot surfaces can produce toxic gases.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION

LOCAL EXHAUST	: Necessary
MECHANICAL (GENERAL)	: Acceptable
SPECIAL	: None
OTHER	: None

PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Wear a vapour respirator appropriate for this material. Consult Safety Equipment Supplier. Wear goggles, gloves, apron & footwear impervious to this material. Wash clothing before reuse.

WORK & HYGIENICE PRACTICES:

Provide readily accessible eye wash stations & safety showers.
Wash at end of each workshift & before eating, smoking or using the toilet.
Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles.
Launder or discard contaminated clothing.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Liquid, Water-White
ODOR:	Ester
BOILING RANGE:	38° 47° 122°C / 102° 118° 252°F
AUTO IGNITION TEMPERATURE:	Not Applicable
LOWER FLAMMABLE LIMIT IN AIR (% by vol):	Not Applicable
FLASH POINT (TEST METHOD)	None @ Boiling
FLAMMABILITY CLASIFICATION:	Class III B
GRAVITY @ 60°F	
SPECIFIC GRAVITY (Water = 1):	1.262
POUNDS/GALLON:	10.514
VOC (EXCLUDING EXEMPT MATERIALS)	119 Grams/Liter
VOC VAPOR PRESSURE:	44 MM Hg @ 20°C

TOTAL VAPOR PRESSURE:	282 MM Hg @ 20°C
HAZARDOUS AIR POLLUTANTS (HAPS)	90.6 Wt. % /1143.0 g/L / 9.521 Lbs./Gal
WATER ABSORPTION:	Appreciable
REFACTIVE INDEX:	1.421

SECTION 10 — STABILITY & REACTIVITY

STABILITY
Stable under normal conditions.

CONDITIONS TO AVOID
Isolate from oxidizers, heat, sparks, electric equipment & open flame.

MATERIALS TO AVOID
Isolate from strong oxidizers such as permanganates, chromates & peroxides.

HAZARDOUS DECOMPOSION PRODUCTS
Carbon Monoxide, Carbon Dioxide, Hydrogen Chloride, Phosgene from burning

HAZARDOUS POLYMERIZATION
Will not occur.

SECTION 11 — TOXICOLOGICAL INFORMATION

MATERIAL	CAS #	TWA (OSHA)	TLV (ACGIH)	HAP
Methylene Chloride	75-09-2	25 ppm	50 ppm A3	Yes
Perchloroethylene	127-18-4	75 ppm	25 ppm A3	Yes
Ethanol	64-17-5	1000 ppm	1000 ppm A4	No
Isopropanol	67-63-0	400 ppm	200 ppm A4	No
n-Propyl Acetate	109-60-4	200 ppm	200 ppm	No

Each component showing 'Yes' under "HAP" is an EPA Hazardous Air Pollutant.

MATERIAL	CAS #	CEILING	STEL (OSHA/ACGIH)
Methylene Chloride	75-09-2	None Known	125 ppm
Perchloroethylene	127-18-4	None Known	100 ppm
Isopropanol	67-63-0	None Known	400 ppm
n-Propyl Acetate	109-60-4	None Known	250 ppm

ACUTE HAZARDS

EYE & SKIN CONTACT:
Primary irritation to skin, defatting, dermatitis.
Primary irritation to eyes, redness, tearing, blurred vision.
Liquid can cause eye burns & skin irritation. Wash thoroughly after handling.

INHALATION:
Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression which can cause death. Vapor harmful. Concentrated vapour in confined areas may be fatal.

Breathing vapour can cause irritation.
Exposure increase Carbon Monoxide level of blood.
OSHA required periodic vapour monitoring whenever Methylene Chloride vapors may exceed the action level (12.5 parts per million).
Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

SWALLOWING:
Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

SUBCHRONIC HAZARDS/CONDITIONS AGGREVATED

CONDITIONS AGGREVATED
Chronic overexposure can cause damage to kidneys, blood, nerves, liver & lungs. Persons with tumors, severe heart, skin liver or kidney problems should avoid use.

CHRONIC HAZARDS

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:
Potential Cancer Hazard based on tests with laboratory animals using Methylene Chloride & Perchloroethylene.
Kidney, mammary, lung, liver tumors, leukaemia have been reported in laboratory mice, rats.
Overexposure may create cancer risk.

SECTION 12 — ECOLOGICAL INFORMATION

MAMMALIAN INFORMATION:

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE DATA
		LOWEST KNOWN LD50 (ORAL)
Methylene Chloride	75-09-2	1900.0 mg/kg (Rabbits)
		LOWEST KNOWN LC50 (VAPORS)
Perchloroethylene	127-18-4	6000 ppm (Mice)

AQUATIC ANIMAL INFORMATION:
The most sensitive aquatic group to any component of this product is: Golden Orfe 145 ppm or mg/L (48 hour exposure). Keep out of swers and natural water supplies.

MOBILITY
This material is a mobile liquid.

DEGRADABILITY
This product is partially biodegradable.

ACCUMULATION
This product does not accumulate or biomagnify in the environment.

SECTION 13 — WASTE DISPOSAL

Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws.
If questions exist, contact the appropriate agencies.

SECTION 14 — TRANSPORTATION INFORMATION

DOT SHIPPING NAME: 1 Gallon Container (CFR 173.153 Exception to Class 6.1, PG-III):
Compound Cleaning Liquid Consumer Commodity
(Contains: Methylene Chloride, Perchloroethylene)
DRUM CONTAINERS: RQ, Toxic liquids, organic, n.o.s.
(Methylene Chloirde, Perchloroethylene) 6.1 UN2810, PG-III
DRUM LABEL: (TOXIC PG-III)
IATA / ICAO RQ, Toxic liquids, organic, n.o.s.
(Methylene Chloirde, Perchloroethylene) 6.1 UN2810, PG-III
IMO / IMDG: RQ, Toxic liquids, organic, n.o.s.
(Methylene Chloirde, Perchloroethylene) 6.1 UN2810, PG-III
EMERGENCY RESPONSE GUIDEBOOK NUMBER: 153

SECTION 15 — REGULATORY INFORMATION

EPA REGULATION:
SARA SECTION 311/312 HAZARDS: Acute Health, Chronic Health, Fire

All components of this product are on the TSCA list. SARA Title III Section 313 Supplier Notification. This product contains the indicated (*) toxic chemicals subject to reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS #	WT. %	(REG. SECTION)	RQ (LBS)
*Methylene Chloride	75-09-2	81	(311, 312, 313, RCRA)	1000
*Perchloroethylene	127-18-4	8	(311, 312, 313, RCRA)	100

>1113 lbs / 505 KG OF THIS PRODUCT IN 1 CONTAINER EXCEEDS THE "RQ" OF PERCHLOROETHYLENE.

Any release equal to or exceeding the RQ must be reported to the National Response Center (800-424-8802) and appropriate state and local regulatory agencies as described in 40 CFR 302.6 and 40 CFR 355.40 respectively. Failure to report may result in substantial civil and criminal penalties. State & local regulations may be more restrictive than federal regulations.

STATE REGULATIONS:
This product meets requirements of Southern California AQMD Rule 443.1 & similar regulations.
CALIFORNIA PROPOSITION 65: This product contains the following chemicals known to the State of California to cause cancer: Methylene Chloride, Perchloroethylene.

INTERNATIONAL REGULATIONS:
The components of this product are listed on the chemical inventories of the following countries:
Australia, Canda, Europe (EINECS), Japan, Korea, United Kingdom

SECTION 16 — OTHER INFORMATION

HMIS RATINGS:

HEALTH: * 2, FLAMMABILITY: 1, PHYSICAL HAZARD: 1, PERSONAL PROTECTION: H

HMIS KEY:

4 – EXTREME, 3 – HIGH, 2 – MODERATE, 1 – SLIGHT, 0 – INSIGNIFICANT, * - CHRONIC HEATLH HAZARD, H – Safety Goggles, Gloves, Protective Apron, Vapor Respirator.

EMPLOYEE TRAINING:

Employees should be made aware of all hazards of this material (as stated in this MSDS) before handling it.

Prepared for: One Stop
Telephone number: 718-392-6272
Preparation date: April 11, 2007
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NOTICE:

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process. Unless updated, this Material Safety Data Sheet is valid until 5/23/15.