



Revision Date 28-Mar-2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code DA6180
Product name Outstrip
Recommended Use Solvent
Supplier Drummond American Corporation
600 Corporate Woods Parkway
Vernon Hills, IL 60061
(847) 913-9313
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Vapors extremely irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion.
Color Clear Odor Solvent Form Aerosol

Aggravated Medical Conditions No information available
Principal Routes of Exposure Skin contact. Skin absorption. Inhalation. Eyes.
Potential health effects
Eyes Exposure to vapors may cause the following effects: Irritation. pain. Tearing. Reddening. Swelling. Stinging sensation. Feeling like that of fine dust in the eye.
Skin Repeated or prolonged exposure may cause: Defatting. Dermatitis. Itching.
Inhalation Harmful by inhalation. Repeated or prolonged exposure may cause the following effects. Dizziness. Headaches. Decreased blood pressure. Nausea. Changes in heart rate. Cyanosis.
Ingestion Harmful or fatal if swallowed. Corrosive.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Methyl alcohol	67-56-1	1-5
Propane/Isobutane/N-Butane	68476-86-8	15-40
Methylene chloride	75-09-2	60-100

4. FIRST AID MEASURES

Eye contact	Flush eyes with plenty of water. Seek medical attention if irritation persists.
Skin contact	Flush skin with water. Remove and wash contaminated clothing before re-use. Seek medical attention immediately.
Ingestion	Do not induce vomiting. Give victim a glass of water or milk. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point °C	- 104
Flash point °F	-156
Method	Closed cup
Autoignition temperature °C	No data available
Autoignition temperature °F	No data available

Flammability Limits (% in Air)	
Upper	36
Lower	1.8
Specific Information for Aerosol Products	

Flame extension	Unknown
Flashback	Unknown

Suitable extinguishing media
Alcohol foam. Carbon dioxide. Dry chemical. Water fog.

Extinguishing media which must NOT be used for safety reasons
No information available.

Special Fire-Fighting Procedures
None known.

Fire and Explosion Hazards
Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death. Containers may vent or burst under extreme or prolonged fire conditions

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Place in suitable container for disposal as hazardous waste.

7. HANDLING AND STORAGE

Handling

Thoroughly wash hands and exposed skin after handling.

Storage

Keep away from heat and sources of ignition. Do not freeze.

NFPA Storage Code

Store as Level 1 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Methylene chloride	-	-	50 ppm	-
Methyl alcohol	200 ppm 260 mg/m ³	-	200 ppm	250 ppm
Propane/Isobutane/N-Butane	-	-	-	N/D

Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, or both, to keep below the TLV's in the worker's breathing zone and the general area. Use in a well ventilated area.

Hygiene measures

Wash hands before eating or using the washroom. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing.

Personal protective equipment

Respiratory protection

Avoid breathing concentrated vapors or particles from all products not specifically designed to be inhaled. Wear a NIOSH approved air purifying organic cartridge respirator. Wear a respirator or gas mask with appropriate NIOSH approved cartridge or canister, or supplied air equipment, if airborne concentration limits are exceeded. Wear a positive-pressure supplied-air respirator. Seek professional advise prior to respirator selection and use.

Hand protection

The following glove(s) are recommended to prevent prolonged or repeated contact: Chemical resistant gloves. Consult glove manufacturer to determine the proper type for a specific operation.

Eye protection

ANSI approved safety glasses or splash goggles with face shield are recommended.

Skin and body protection

No information available

Other Protective Equipment

Wear appropriate clothing to prevent skin contact

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	Color	Clear
Odor	Solvent	Odor Threshold	No information available
pH	No data available	Specific Gravity	.9560
Vapor pressure	No data available	Vapor density	>Air
Evaporation Rate	No data available	VOC Content	2.08 lbs/gal
Water solubility	No data available	Partition Coefficient (n-octanol/water)	No data available
		Boiling point/range °C	-41 - 65
Boiling point/range °F	-43 - 149	Melting point/range °C	0
Melting point/range °F	32	Flash point °C	- 104
Flash point °F	-156		

10. STABILITY AND REACTIVITY**Stability**

Stable. Stable under recommended storage conditions.

Conditions to avoid

Avoid open flames. Avoid sources of ignition. Do not use near welding arcs.

Materials to avoid

Amines. Oxidizers. Strong acids. Alkalis.

Hazardous decomposition products

Sulphur oxides. peroxides. Chloride. Chlorine. phosgene .

Polymerization

Will not occur.

Synergistic Products

No information available.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Methylene chloride</i> 75-09-2	1600 mg/kg	-	14400 ppm
<i>Methyl alcohol</i> 67-56-1	5628 mg/kg	15800 mg/kg	64000 mg/kg
<i>Propane/isobutane/N-Butane</i> 68476-86-8	-	-	-

Potential health effects**Sensitization**

No information available.

Chronic toxicity

No information available.

Mutagenic effects

No information available.

Teratogenic effects

No information available

Reproductive toxicity

No information available

Target Organ Effects

Long term exposure to vapor may cause lung damage. Long term exposure to vapor may cause kidney damage. May cause damage to nerves.

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Methylene chloride	A3 - Animal Carcinogen	Group 2B	-	Listed	Listed
Methyl alcohol	-	-	-	-	-
Propane/Isobutane/N-Butane	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Methylene chloride

Microtox Data*Photobacterium phosphoreum* EC50=1000 mg/L (15 min)**Water Flea Data***water flea* EC50=140 mg/L (48 h)

Methyl alcohol

Microtox Data*Photobacterium phosphoreum* EC50=39000 mg/L (25 min)*Photobacterium phosphoreum* EC50=40000 mg/L (15 min)*Photobacterium phosphoreum* EC50=43000 mg/L (5 min)

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal. Clean container with water.

14. TRANSPORT INFORMATION

DOT

Consumer commodity (Dichloromethane),ORM-D,,RQ

TDG

AEROSOLS(Methylene chloride,Propane/Isobutane/N-Butane), Class 2.1,UN1950,PG

IMDG/IMO

Aerosols(Methylene chloride,Propane/Isobutane/N-Butane),UN1950,PG

IATAAerosols, flammable, Methylene chloride,Propane/Isobutane/N-Butane),UN1950
Hazard Class 2.1**MEX**

UN1950 Aerosols(Methylene chloride,Propane/Isobutane/N-Butane),2.2,

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Methylene chloride	Listed
Methyl alcohol	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Methylene chloride	Listed	Listed Listed	Carcinogen
Methyl alcohol	Listed	Listed	Not Listed
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Methylene chloride	X	X	-	X
Methyl alcohol	X	X	-	X
Propane/Isobutane/N-Butane	X	X	-	X

CPRC

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

NFPA		HMIS	
Health	-	Health	3
Flammability	-	Flammability	4
Reactivity	-	Physical Hazard	0

Reason for revision No information available.

Prepared By T. Heidorn, MSDS Project Lead

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.