Injection Cleaner

Part No. 12846Z (Aerosol)
Revision 1 \* February 1, 2012
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CONFORMS TO THE GLOBALLY HARMONIZED SYSTEM (GHS), ANSI Z400.1-2004, EU DIRECTIVE 91/155/EEC & 99/45/EC, OSHA 29 CFR 1910.1200, NOHSC:2011(2003), AND CANADIAN CPR

## Section 1 ● PRODUCT AND COMPANY IDENTIFICATION ● Section 1

Product Numbers 12846Z

Product Name 12846Z Injection Cleaner

Synonyms None

Products Uses Automotive Injection Cleaner

Revision Number

Revision Date February 1, 2012
Print Date February 1, 2012

24 hr Emergency Phone Number

800-255-3924

(Chem-Tel - Contract #MIS001566)

	MANUFACTURED FOR	DISTRIBUTOR INFORMATION				
Company Name	The Easthill Group Inc.	Company Name	The Easthill Group Inc			
Address	dba/ The Eastwood Company 263 Shoemaker Road	Address	263 Shoemaker Road			
	Pottstown, PA 19464		Pottstown PA 19464			
Phone Number	USA & Canada: 800-345-1178 Outside USA: 610-323-2200	Phone Number	610-705-5422			
Fax Number	610-323-6268	Fax Number	610-323-6268			

## Section 2 ● HAZARDS IDENTIFICATION ● Section 2

## **EMERGENCY OVERVIEW**

**EXTREMELY FLAMMABLE AND UNDER PRESSURE.** STORE BELOW 120°F, OUT OF SUNLIGHT, AND AWAY FROM HEAT SOURCES. DO NOT PUNCTURE OR INCINERATE. AVOID CONTACT WITH SKIN AND EYES. VAPOR HARMFUL. EYE AND SKIN IRRITANT. HARMFUL OR FATAL IF SWALLOWED. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

OSHA Classification This product is a "hazardous chemical" as defined by 29 CFR 1910.1200.

European Classification F+, Xi

R 12-36-66-67 S 2-9-16-26

WHMIS Classification A, B5, D2B





HE	ALTH I	HAZARDS	PHYSICAL HAZARDS						
Irritant	1	Sensitizer	Combustible		Explosive		Pyrophoric		
Toxic		Highly Toxic	Flammable		Oxidizer		Water Reactive		
Corrosive		Carcinogenic	Very Flammable	✓	Organic Peroxide		Unstable		
Reproductive		Aspiration	Under Pressure	<b>✓</b>	Self Reactive		Corrosive		

INDUSTRIAL LABELING REQUIREMENTS										
CANADA WHMIS	UNITED STATES	EUROPE & AUSTRALIA	GHS							
	DANGER CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE	<b>8</b> ×	<b>♦</b> ♦							

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#### POTENTIAL HEALTH EFFECTS AND SIGNS / SYMPTOMS OF EXPOSURE

Eye Contact Liquid contact may cause pain along with moderate eye irritation.

Skin Contact Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking

of skin. May cause more severe response if confined to skin.

Ingestion Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may

cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis,

bronchopneumonia, or pulmonary odema.

Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute Inhalation

nervous system depression characterized by headache, dizziness, staggering gait, confusion or death.

Irritation of the mucous membranes, coughing, and dyspnea are also possible.

Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible Effects of Chronic Exposure

brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome").

Intentional misuse by concentrating and inhaling this product may be harmful or fatal.

May aggravate personnel with pre-existing disorders associated with any of the Target Organs. Medical Conditions Aggravated **Primary Hazards** Sensory Irritation

**Target Organs** Eyes, skin, respiratory system, central nervous system, cardiovascular system

Routes of Exposure Skin contact, eye contact, inhalation **Potential Environmental Effects** See Section 12 for environmental effects

#### **Section 3** COMPOSITION / INFORMATION ON INGREDIENTS **Section 3**

ID	INGREDIENT	CAS NUMBER	EINECS	EU CLASSIFICATION	% WT
1	Acetone	000067-64-1	200-662-2	F, Xi; 11-36-66-67	60 - 100
2	Propane	000074-98-6	200-827-9	F+; 12	5 - 10
3	Carbon Dioxide	000124-38-9	204-696-9	_	0.5 - 1.0

Risk Phrases See Section 15 for risk phrase text

LD50 and LC50 Information See Section 11 for toxicological information

Occupational Exposure Limits See Section 8 for OELs

#### FIRST AID MEASURES **Section 4 Section 4**

Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible Ingestion oils. Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing

consciousness, unconscious, or convulsing.

Skin Contact Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any

resulting dryness. Consult a physician if irritation continues. If large skin area is affected, remove

contaminated clothing.

Eye Contact Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek

medical attention if symptoms persist or if unconscious.

Notes to Physician Treat symptomatically. **Antidotes** No specific antidote.

#### **Section 5** FIRE FIGHTING MEASURES **Section 5**

Flash Point, Liquid > 1 °F (-17.0 °C) Flash Point, Propellant > -156 °F (-104.4 °C) 2.50% to 13.00% Autoignition Temperature, Liquid 756 °F (404 °C) **Explosive Limits** 

Conditions of Flammability Heat, sparks, flame, red hot metal

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Extinguishing Media Water, CO2, dry chemical, or universal aqueous film forming foam

Unsuitable Extinguishing Media Water jet

Hazardous Combustion Products Oxides of carbon (CO, CO2), smoke, and vapors

presence of an ignition source the liquid and/or vapor content may be ignited.

Sensitivity to Static Discharge Vapor within the flammable limits may be ignited by a static discharge of sufficient energy.

Special Equipment and Precautions Use water spray to cool fire exposed aerosol containers, as contents can rupture violently from heat

developed pressure. Firemen should wear self-contained breathing apparatus.

Special Explosion Hazards Contents extremely flammable and under pressure

Autoreactivity / Oxidizing Properties Not available

Section 6	● ACCIDENTAL RELEASE MEASURES ● Section 6
Personal Precautions	Use personal protection recommended in Section 8. Isolate hazard area and deny entry to unnecessary and unprotected personnel.
Environmental Precautions	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
Containment Procedures	Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents. DO NOT use combustible material such as sawdust.
Cleanup Procedures	Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.
Other Information	Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal.
Prohibited Materials	Combustible absorbent material such as sawdust, use of equipment that may cause sparking.
Reporting Requirements	Spills due to the rupture of a single aerosol can are generally below any regulatory reporting requirements. However, if larger spills somehow result, the reporting requirements of all governing agencies should be observed.

## Section 7 ● HANDLING AND STORAGE ● Section 7

Precautions for Safe Handling and Use

KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. **Do not smoke** while handling or using this product. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation. Wash hands after use.

Storage Requirements and Conditions

Storage of individual cans should be done in an area below 120 °F (55 °C), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 3 Aerosol.

Special Packaging Materials Not applicable.

## Section 8 • EXPOSURE CONTROLS / PERSONAL PROTECTION • Section 8

COCUP	ational Ex	posaro Em	1110
ID	UNITED	STATES	UNITED STA

Occupational Exposure Limits

ID	UNITED STATES	UNITED STATES	UNITED STATES	UNITED STATES	AUSTRALIA	GERMANY	JAPAN
	OSHA PEL	NIOSH REL	NIOSH IDLH	ACGIH TLV	TWA	MAK	OEL
1	1000 ppm	250 ppm	750 ppm	500 ppm	500 ppm	1200 mg/m3	200 ppm

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ID	UNITED STATES OSHA PEL	UNITED STATES NIOSH REL	UNITED STATES NIOSH IDLH	UNITED STATES ACGIH TLV	AUSTRALIA TWA	GERMANY MAK	JAPAN OEL
2	1000 ppm	1000 ppm	2100 ppm	1000 ppm	N/E	N/E	N/E
3	5000 ppm	5000 ppm	40000 ppm	5000 ppm	12500 ppm	5000 ppm	5000 ppm

ID	CANADA ALBERTA OEL	CANADA BC TWA	CANADA ONTARIO TWAEV	CANADA QUEBEC TWA	MEXICO MPEL-PTA	UNITED KINGDOM WEL	UNITED STATES AIHA WEEL
1	750 ppm	250 ppm	500 ppm	750 ppm	1000 ppm	500 ppm	N/E
2	N/E	1000 ppm	1000 ppm	N/E	N/E	N/E	N/E
3	5000 ppm	5000 ppm	5000 ppm	5000 ppm	5000 ppm	5000 ppm	N/E

used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the

table above.

Biological Exposure Indices ACGIH BEIs: Acetone 50 mg/L in urine (end of shift)

General Hygiene Considerations Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use.

Keep out the reach of children. Wash hands after use.

Thermal Hazards This product does not present a thermal hazard.

### PERSONAL PROTECTIVE EQUIPMENT







Respiratory Protection An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are

needed, in the United States compliance with OSHA standard 29 CFR 1910.134 is necessary.

Skin Protection For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

in Section 2.

Eye/Face Protection Safety glasses with side shields are recommended as a minimum for any type of industrial chemical

handling. Where eye contact with this material could occur, chemical splash proof goggles are

recommended.

Other Protective Equipment Safety showers and eye-wash stations should be available in the workplace near where the material will

be used.

#### **Section 9** PHYSICAL AND CHEMICAL PROPERTIES **Section 9 Boiling Point** > 133 °F (56.1 °C) Melting / Freezing Point > -140 °F (-95.3 °C) Flash Point, Liquid > 1 °F (-17.0 °C) Flash Point, Propellant -156 F (-104.4) **Explosive Limits** 2.50% to 13.00% Autoignition Temperature, Liquid 869 °F (465.0 °C) Flammability Extremely Flammable Aerosol Density (H<sub>2</sub>O = 1)0.758 g/cc Molecular Weight Not Available Weight 6.323 lbs/gal Vapor Pressure Not Available рΗ Not Available Vapor Density 2.00 g/cc Maximum **Evaporation Rate** Not Available **Physical State** Liquid Under Pressure **Partition Coefficient** Not Available Viscosity Not Available Refractive Index Not Available Odor Threshold Not Available Not Available **Heat of Combustion** Odor Characteristic Water Solubility Not Available Appearance / Color Clear, colorless **Heat of Combustion** Not Available

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Percent Volatile 99% Wt (95% Vol) Max VOC Content 0.339 lbs/gal (40.672 g/L)

Percent VOC 8% Wt (12% Vol) Max HAP Content None

Solids Content None Maximum Incremental Reactivity 0.430 g O<sub>3</sub>/g

## Section 10 ● STABILITY AND REACTIVITY ● Section 10

Stability Stable

Physical Hazards Contents under pressure, Flammable

Conditions to Avoid Not Available

Hazard Polymerization Not expected to occur

Material Incompatibility Strong oxidizing agents, hydrogen peroxide, strong reducing agents, hexachloromelamine,

trichloromelamine, haloginated solvent/alkali mixtures, potassium tert-butoxide, bases, sulfur dichloride

Conditions of Reactivity Heat, sparks, flame, red hot metal

Decomposition Products Oxides of carbon

## Section 11 • TOXICOLOGICAL INFORMATION • Section 11

Irritancy of Product The following ingredients are eye irritants: Acetone.

Sensitization to Product None of the ingredients are known or suspected sensitizers.

Carcinogen Data None of the ingredients are known or suspected carcinogens

Reproductive Toxicity None of the ingredients are known or suspected reproductive toxicants

Teratogenicity

None of the ingredients are known or suspected teratogens

Mutagenicity

None of the ingredients are known or suspected metagens.

Synergistic Products Not available

LD<sub>50</sub> and LC<sub>50</sub> Information

ID	ORAL LD50		DERMAL LD50		INHALATION LC50			
ID	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES	
1	5800 mg/kg	rat	20000 mg/kg	rabbit	76 mg/m3	4 hr	rat	
2	_	_	_	_	658 mg/L	4 hr	rat	
3	_	_	_					

## Section 12 ● ECOLOGICAL INFORMATION ● Section 12

MobilityNot AvailablePersistanceNot AvailableDegradibilityNot AvailableBioaccumulationNot Available

Other Ecologic Data Do not allow to enter waters, waste water, or soil.

Effects on the Ozone Layer This product does not contain any ozone depleting ingredients.

**Ecotoxicity** 

ID		FISH			INVERTEBRATES			AQUATIC PLANTS			MICROORGANISMS		
טו	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	
1	LC50	13 g/L	96 hr	LC50	8800 mg/L	48 hr	EC50	> 20 g/L	14 day	EC50	14 g/L	15 min	
2	_	_	_	_	_	_	_	_	_	_	_	_	
3	EC0	240 mg/L	1 hr	_	_			_			_	_	

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**Section 13**  DISPOSAL CONSIDERATIONS **Section 13** 

Waste Disposal Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal

methodologies for spent materials and residues at the time of disposition. All waste must be disposed

of in compliance with the respective national, federal, state, and/or local regulations.

In the United States, an aerosol container that does not contain a significant amount of liquid would meet Waste Disposal of Packaging the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under

40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must

be managed under all applicable RCRA and state regulations.

**Landfill Precautions** Not Available

Incineration Precautions \*\* DO NOT INCINERATE \*\* CONTENTS UNDER PRESSURE \*\*

#### **Section 14** TRANSPORTATION INFORMATION Section 14

### **DOT SHIPPING INFORMATION (United States)**

ORM-D

PROPER SHIPPING NAME: ... Consumer Commodity

PACKING GROUP: ..... UN or ID NUMBER: .....

HAZARD CLASS: ..... ORM-D

**NAERG NUMBER: . . . . . . . . . 171** 

## ICAO/IATA SHIPPING INFORMATION (International Air)



PROPER SHIPPING NAME: ... Consumer Commodity

PACKAGING GROUP: ..... -UN or ID NUMBER: ..... ID8000 PACKAGING INSTRUCTION: . Y963

#### IMDG SHIPPING INFORMATION (International Ocean)

PROPER SHIPPING NAME: . . . Aerosols, Limited Quantity



CLASS: PACKAGING GROUP: .... –

SUBSIDIARY RISK(S): .... UN or ID NUMBER: . ..... UN1950 PACKING INSTRUCTIONS: ... P003 STOWAGE: ..... Category A

### ADR SHIPPING INFORMATION (European Union)



UN or ID NUMBER: ..... UN1950 CLASSIFICATION CODE: .... 5F HAZCHEM CODE: .....

### TDG SHIPPING INFORMATION (Canada)

PROPER SHIPPING NAME: ... Aerosols, Limited Quantity

PACKAGING GROUP: .....

UN or ID NUMBER: . . . . . . . . . UN1950

### NMFC DESCRIPTION (United States)

ITEM DESCRIPTION: Compounds, Cleaning

ITEM NUMBER: 48581 CLASS: 55

## Section 15

UN1950

## REGULATORY INFORMATION

## Section 15

#### United States - Federal

	TSCA	SARA 302							CLEAN	CLEAN		
ID	INVENTORY	EHS	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	ACUTE	CHRONIC	PRESSURE	AIR ACT	WATER ACT
1	/	_	U002	5000#	_	/	_	/	_	_	_	_
2	/	_	_	_	_	/	_	/	_	/	_	_
3	/	_	_	_	_	_	_	/		/		

#### United States - States

_			-							
	ID	CALIFORNIA	DELAWARE	FLORIDA	MASSACHUSETTS	PENNSYLVANIA	MINNESOTA	NEW JERSEY	NEW YORK	WASHINGTON
	1	_	/	/	2,4,5,6 F8 F9	E	ANO	/	/	/
	2	_	_	/	2,4,5,6	_	AO	/	_	/
	3			/	2.4		ANO			

#### Canada

	WHMIS CATEGORIES										CHEMICAL LISTS			
ID	Α	В	С	D1A	D1B	D2A	D2B	D3	E	DSL	NDSL	NPRI	CWC	
1		B2	_	_	_	_	/	_	_	/	_	5	_	
2	/	B1	_	_	_	_	_	_	_	/	_	_	_	

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	WHMIS CATEGORIES										CHEMIC	AL LISTS	
ID	Α	В	С	D1A	D1B	D2A	D2B	D3	E	DSL	NDSL	NPRI	CWC
3	/	B2	_	_	_	_	_	_	_	/	_	_	_

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**European Union** 

CODE	RISK PHRASES
R 12	Extremely Flammable
R 36	Irritating to eyes
R 66	Repeated exposure may cause skin dryness or cracking
R 67	Vapours may cause drowsiness and dizziness

CODE	SAFETY PHRASES
S 2	Keep out of the reach of children
S 9	Keep container in a well ventilated place
S 16	Keep away from sources of ignition – No smoking
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

**RoHS Compliance** 



This product is RoHS compliant according to the definitions and restrictions given by Directive 2002/95/EC and The Council of January 27, 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

Australia

Poisons Schedule Number

None of the ingredients are present at or above a concentration necessary for allocation of a Poisons

Only and the Number of the ingredients are present at or above a concentration necessary for allocation of a Poisons

Schedule Number.

Chemical Inventory Status All of the ingredients are listed on the Australian Inventory of Chemical Substances (AICS) or are exempt.

Section 16 • OTHER INFORMATION • Section 16

Disclaimer of Liability

The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.

Revision History Revision 1, 02/01/2012, Original