



Date: May 12, 2014

Former date: June 1, 2013

1. IDENTIFICATION OF THE CHEMICAL AND OF MANUFACTURER

Trade name ZAP-IT® Product Code: 7-140512
 The intended use of the product is a multi-purpose spotter.
 Standard industrial classification: 2842
 Manufacturer: Adco Pro Cleaning Supply Co.
 5285 Fox Street
 Denver, CO USA 80216
 303-373-4779 Telephone
 1.4.1 FOR CHEMICAL EMERGENCY OR INGESTION, CALL CHEM-TEL, INC.
 (USA, Canada & U.S. Virgin Islands) 1-800-255-3924 OR INTERNATIONAL CALL COLLECT 1-813-248-0585

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Hazardous Ingredients		2.1.2	2.1.3	2.1.4
CAS #	EINECS #	Name	Concentration	Warning, Risk phrases
7732-18-5	231-791-2	Water	30-50%	None
68439-46-3	226-097-1	Ethoxylated alcohol	15-30%	R24, R37
94266-47-4	304-454-4	D-limonene	15-30%	R10, R20/21/22
34590-94-8	250-104-2	Dipropyl glycol Monomethyl ether	5-15%	R/20/21/22
68855-69-6	Not Available	Cocamide DIPA	1-5%	R20/21/22
56-81-5	200-289-5	Glycerin	<1%	R20/21/22
110-97-4	203-820-9	Diisopropanolamine	<1%	R20/21/22
64972-19-6	265-295-2	β-alanine, n-(carboxyethyl) -n-[3-(Decyloxy) propyl] -monosodium salt	<1%	R20/21/22
2.1.5	Confidential ingredients: None			
2.1.6	Components listed are not hazardous less than 1 percent each.			
2.1.7	Other information: Basic			

3. HAZARDS IDENTIFICATION

Human: This product may cause severe irritation to eyes, skin and respiratory system. If swallowed the product may be harmful and cause severe irritation to mucous membranes. Avoid contact with strong acids & oxidising agents.

Environment: This product is unlikely to accumulate in aquatic environment.

4. FIRST AID MEASURES

Eye Contact: Flush with water for at least 15 minutes. Seek medical attention.

Skin Contact: Wash with soap and water. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. If trouble with breathing persists, seek medical attention.

Ingestion: Wash out mouth with water. Do not induce vomiting. Dilute with one to two glasses of water. Seek medical attention.

5. FIRE-FIGHTING MEASURES

The product is combustible; use suitable extinguishing media for the surrounding fire.

Self-contained breathing apparatus (SCBA) with full protective bunker gear for fire fighters.

This product is likely to support combustion as it is combustible and not an oxidiser.

Exposure hazard: decomposition of product may be oxides of carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Sweep up spills for re-use or disposal. Large spills should be treated with dry absorbent and disposed at legal waste disposal site. Check local authority for proper disposal methods. Do not mix this product with other waste materials.

7. HANDLING AND STORAGE

Handle this product with best business practices. Keep this product stored away from food, drink and animal feeding stuffs. Keep out of the reach of children. Store in a cool and dry area. Do not store in aluminum containers.

COMBUSTIBLE – KEEP AWAY FROM OPEN FLAME.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values:

HTP values: None found
 Other limit values: (USA) TWA: Glycerin (2 ppm); Alkyl alcohol (400 ppm)
 NIOSH REL: Diethanolamine (3 ppm)
 OSHA PEL: Dipropylene glycol monomethyl ether (100 ppm)
 Limit values in other countries: (AICS), (DSL), (ECL), (EEC), (ENCS), (KECL) (MAC), (MAK), (PICC), (Swiss), (UK)
 Glycerin (2 ppm); Diethanolamine (3 ppm); Dipropylene glycol monomethyl ether (300 ppm); Alkyl alcohol (400 ppm); D-limonene (20 ppm)
Exposure controls: Avoid contact with eyes, skin or clothing. Avoid ingesting the product as it may be harmful. Wear chemical imperious gloves to protect exposure to your hands. Wear chemical safety goggles or glasses to protect your eyes. In areas of insufficient ventilation, wear dist/mist mask to avoid long term effect of breathing the material.

9. PHYSICAL AND CHEMICAL PROPERTIES

The product is a clear, amber liquid with a citrus odour.
Important health, safety and environmental information

pH	9.5
Boiling point/boiling range	>100°C (212°F)
Freezing point	<0 °C (32°F)
Flash point (TCC)	> 51.1°C (124°F)
Flammability (solid, gas)	NA
Explosive properties	Not explosive
Oxidising properties	Not an oxidiser
Vapour pressure	Mild
Relative density	Same as water
Solubility	100% in water
Specific gravity	0.96
RVOC%	37.09

10. STABILITY AND REACTIVITY

The product is stable and will not polymerise. Avoid strong acids & oxidising agents.

In a fire situation, the products may be oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

Sub-acute, sub-chronic and prolonged toxicity have not been determined.

12. ECOLOGICAL INFORMATION

Biodegradability:	Biodegradable
Mobility:	Soluble in water
Bio-accumulation:	This product is unlikely to accumulate in waterways and will not accumulate in the environment. Some ingredients of this product have been determined to be toxic to fish and other organisms.

13. DISPOSAL CONSIDERATIONS

Dispose in accord with National regulations. Do not mix waste material with other waste materials.

14. TRANSPORTATION INFORMATION

Identification	UN1993
Proper Shipping Name	Flammable liquids, N.O.S. (Petroleum distillates)
Hazard Class	3
Packing group	III
US Domestic Ground shipments:	Combustible liquid [49CFR 173.150(f)]
US Domestic air shipments up to 5L (1.3 gal) per bottle:	Consumer
Commodity ORM-D-AIR	

15. REGULATORY INFORMATION

ILO:	F (Flammable)
WHMIS:	Irritant, Flammable
Risk phrases:	R20/22 - Harmful by inhalation and if swallowed R36/38 – Irritating to eyes and skin
Safety phrases:	S2 – Keep out of the reach of children S13 – Keep away from food, drink and animal feeding stuffs S24/25 - Avoid contact with skin and eyes S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S37/39 - Wear suitable gloves and eye/face protection S38 - In case of insufficient ventilation, wear suitable respiratory equipment S62 - If swallowed do not induce vomiting: seek medical advice immediately and show this container or label

Special regulations on certain preparations:

HMIS		NFPA
1	Health	1
2	Fire	2
0	Reactivity/Instability	0
E	PPE	

16. OTHER INFORMATION

Restrictions on use: Ready to use. This product is intended for professional use only.

Further information:

Call CHEM-TEL, INC. collect 1- 813-248-0582

Sources of key data used: EU, EEC Directives on the Control of Dangerous Substances and Preparations (67/548/EEC), Council Directive 88/379/EEC, WHMIS, NIOSH and OSHA 29 CFR Part 1910.1200.

This product contains no Prop 65 materials.

Products listed as harmful by USA, DSL, EINECS, AICS, ECL, EICS, ENCS, PICCS: Dipropylene glycol monomethyl ether, Diethanolamine, Limonene.

This is a revised Safety Data Sheet.

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