

Issuing Date 19-Dec-2014

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Revision Number 0

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

**GHS product identifier**

**Product Name** Safety Zone Non-Chlorinated Offset Roller Cleaner and Blanket Wash

**Other means of identification**

**Product Code(s)** 4-1200

**Synonyms** Safety Zone Offset Roller Cleaner and Blanket Wash

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Offset printing

**Uses advised against** No information available

**Supplier's details**

**Supplier Address**

Mark Andy, Inc.  
18081 Chesterfield Airport Rd.  
Chesterfield, MO 63005  
TEL: 636-532-4433

**Emergency telephone number**

**Emergency Telephone Number** Chemtrec 1-800-424-9300

**2. HAZARDS IDENTIFICATION**

**Classification**

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 2
Skin Sensitization	Category 1
Aspiration Toxicity	Category 1
Flammable liquids	Category 3


**GHS Label elements, including precautionary statements**

**Emergency Overview**

**Signal Word** Danger

**Hazard Statements**

- Causes skin irritation
- May cause an allergic skin reaction
- May be fatal if swallowed and enters airways
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- Flammable liquid and vapor.



**Appearance** Clear
**Physical State** Liquid.
**Odor** Sweet Naphtha

**Precautionary Statements**

**Prevention**

- Wash face, hands and any exposed skin thoroughly after handling.
- Avoid breathing dust/fume/gas/mist/vapors/spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Keep away from heat/sparks/open flames/hot surfaces - No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves/protective clothing/eye protection/face protection.

**General Advice**

- Specific treatment (see supplemental instructions on the administration of antidotes on this label)

**Skin**

- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Ingestion**

- IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- Do NOT induce vomiting.

**Fire**

- In case of fire: Use CO2, dry chemical, or foam for extinction.

**Storage**

- Store locked up.
- Store in a well-ventilated place. Keep cool.

**Disposal**

- Dispose of contents/container to an approved waste disposal plant.

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

Toxic to aquatic life with long lasting effects

0% of the mixture consists of ingredient(s) of unknown toxicity.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Synonyms**

Safety Zone Offset Roller Cleaner and Blanket Wash

Chemical Name	CAS-No	Weight %	Trade secret
Solvent naphtha (petroleum), medium aliphatic	64742-88-7	60-100	*

D-Limonene	5989-27-5	10-30	*
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\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**Description of necessary first-aid measures**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician if necessary. Aspiration hazard if swallowed - can enter lungs and cause damage. Aspiration may cause pulmonary edema and pneumonitis

**Most important symptoms/effects, acute and delayed**

**Most Important Symptoms/Effects** No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

Foam. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media** No information available.

**Specific Hazards Arising from the Chemical**

Flammable. Vapors may travel to source of ignition and flash back.

**Explosion Data**

<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	Yes.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Remove all sources of ignition. Use personal protective equipment.

**Environmental Precautions**

**Environmental Precautions** See Section 12 for additional Ecological Information. Avoid release to the environment. Dispose of contents/container to an approved waste disposal plant. Collect spillage.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Non-sparking tools should be used.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place. Keep container closed when not in use.

**Incompatible Products** Strong oxidizing agents.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Impervious clothing. Impervious gloves.  
**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical State</b>	Liquid	<b>Appearance</b>	Clear
<b>Odor</b>	Sweet Naphtha	<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
<b>pH</b>	Not applicable	None known
<b>Melting Point/Range</b>	Not applicable	None known
<b>Boiling Point/Boiling Range</b>	305-335 °F	None known
<b>Flash Point</b>	> 38 °C / 102 °F	None known
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limits in Air</b>		
upper flammability limit	No data available	
lower flammability limit	No data available	
<b>Vapor Pressure</b>	No data available	None known
<b>Vapor Density</b>	No data available	None known
<b>Specific Gravity</b>	0.774	None known
<b>Water Solubility</b>	Insoluble in water.	None known

<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient: n-octanol/water</b>	No data available	None known
<b>Autoignition Temperature</b>	No data available	None known
<b>Decomposition Temperature</b>	No data available	None known
<b>Viscosity</b>	No data available	None known

<b>Flammable Properties</b>	Not flammable
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available

**Other information**

<b>VOC Content (%)</b>	No data available
<b>Actual VOC (lb/gal)</b>	6.5

**10. STABILITY AND REACTIVITY**

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Conditions to avoid**

Heat, flames and sparks. Incompatible products.

**Incompatible materials**

Strong oxidizing agents.

**Hazardous decomposition products**

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke)

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

<b>Inhalation</b>	Vapors may irritate throat and respiratory system.
<b>Eye Contact</b>	Contact with eyes may cause irritation.
<b>Skin Contact</b>	Causes skin irritation. May cause allergic skin reaction Prolonged skin contact may defat the skin and produce dermatitis.
<b>Ingestion</b>	Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Solvent naphtha (petroleum), medium aliphatic	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5.28 mg/L ( Rat ) 4 h

D-Limonene	5000 mg/kg ( Rat )	>5000 mg/kg ( Rabbit )	-
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**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Sensitization** May cause sensitization of susceptible persons. May cause sensitization by skin contact.  
**Mutagenic Effects** No information available.  
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
D-Limonene		Group 3	-	-

**IARC: (International Agency for Research on Cancer)**  
 Group 3 - Not Classifiable as to its Carcinogenicity to Humans

**Reproductive Toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration Hazard** May be fatal if swallowed and enters airways Risk of serious damage to the lungs (by aspiration)

**Numerical measures of toxicity - Product**

**Acute Toxicity** 0% of the mixture consists of ingredient(s) of unknown toxicity.  
*The following values are calculated based on chapter 3.1 of the GHS document:*  
**LD50 Oral** 22003 mg/kg; Acute toxicity estimate  
**LD50 Dermal** 25009 mg/kg; Acute toxicity estimate

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Solvent naphtha (petroleum), medium aliphatic 64742-88-7	EC50 96 h: = 450 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h: = 800 mg/L static (Pimephales promelas)		EC50 48 h: > 100 mg/L (Daphnia magna)
D-Limonene 5989-27-5		LC50 96 h: 0.619 - 0.796 mg/L flow-through (Pimephales promelas) LC50 96 h: = 35 mg/L (Oncorhynchus mykiss)		

**Persistence and Degradability** No information available.

**Bioaccumulation** No information available.

**Other Adverse Effects**  
 No information available.

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Do not re-use empty containers.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste

D-Limonene	Toxic
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**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**TDG**  
**UN-Number** UN3295  
**Proper Shipping Name** Hydrocarbons, liquid, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN3295, Hydrocarbons, liquid, n.o.s., 3, III, Marine Pollutant

**MEX**  
**UN-Number** UN3295  
**Proper Shipping Name** Hydrocarbons, liquid, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN3295, Hydrocarbons, liquid, n.o.s., 3, III

**ICAO**  
**UN-Number** UN3295  
**Proper shipping name** Hydrocarbons, liquid, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**Description** UN3295, Hydrocarbons, liquid, n.o.s., 3, III

**IATA**  
**UN-Number** UN3295  
**Proper Shipping Name** Hydrocarbons, liquid, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**ERG Code** 3L  
**Description** UN3295, Hydrocarbons, liquid, n.o.s., 3, III

**IMDG/IMO**  
**UN-Number** UN3295  
**Proper Shipping Name** Hydrocarbons, liquid, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**EmS No.** F-E, S-D  
**Description** UN3295, Hydrocarbons, liquid, n.o.s., 3, III, (38°C c.c.), Marine Pollutant

**RID**  
**UN-Number** UN3295  
**Proper Shipping Name** Hydrocarbons, liquid, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**Classification Code** F1  
**Description** UN3295, Hydrocarbons, liquid, n.o.s., 3, III

**ADR**  
**UN-Number** UN3295  
**Proper Shipping Name** Hydrocarbons, liquid, n.o.s.  
**Hazard Class** 3  
**Packing Group** III  
**Classification Code** F1  
**Tunnel Restriction Code** (D/E)  
**Description** UN3295, Hydrocarbons, liquid, n.o.s., 3, III, (D/E)

**ADN**  
**Proper Shipping Name** Hydrocarbons, liquid, n.o.s.

<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification Code</b>	F1
<b>Description</b>	UN3295, Hydrocarbons, liquid, n.o.s., 3, III
<b>Limited Quantity</b>	5 L
<b>Ventilation</b>	VE01

**15. REGULATORY INFORMATION**

**International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	All components are listed either on the DSL or NDSL.
<b>IECSC</b>	-

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	Yes
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

"X" designates that the ingredients are listed on the state right to know list.

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
D-Limonene	X			X	

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	Health Hazard 2	Flammability 2	Instability 0	Physical and Chemical Hazards -
<b>HMIS</b>	Health Hazard 2	Flammability 2	Physical Hazard 0	Personal Protection X



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<b>Prepared By</b>	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
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General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**