

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

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| <b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b>  |  |  |
| <b>Identity (As Used on Label and List):</b> Knock-Off Permanent Marker and Graffiti Remover  |  |  |
| <b>Product Class:</b> Water-Based Graffiti Remover  |  |  |
| <b>Emergency Telephone Number:</b> 800-255-3924   |  |  |
| <b>Telephone Number for Information:</b> 651-481-1900   |  |  |
| <b>Manufacturer's Name and Address:</b><br>Multi-Clean®<br>600 Cardigan Road<br>Shoreview, MN 55126   |  |  |
| <b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b>  |  |  |
| <b>Hazardous Components (Specific Chemical Identity):</b>   |  |  |
| <b>Chemical</b>   | <b>Common Name(s)</b>                                  | <b>%</b>                               |
| A   | Benzyl Alcohol<br>CAS #100-51-6                        | 5 - 15                                 |
| B   | Dipropylene Glycol Monomethyl Ether<br>CAS #34590-94-8 | 1 - 5                                  |
| C   | Tall Oil Fatty Acid<br>CAS #61790-12-3                 | 1 - 5                                  |
| D   | Ethanolamine<br>CAS #141-43-5                          | 1 - 5                                  |
| E   | Water<br>CAS #7732-18-5                                | 60 - 90                                |
| <b>SECTION III - HAZARDS IDENTIFICATION</b>   |  |  |
| <b>Emergency Overview</b>   |  |  |
| <b>Appearance and Odor:</b> Clear green liquid, citrus fresh fragrance.   |  |  |
| <b>Primary Hazards:</b> Irritant  |  |  |
| <b>Potential Health Hazards</b>   |  |  |
| <b>Route(s) of Entry:</b>   | <b>Skin Absorption:</b> X                              | <b>Ingestion:</b> <b>Inhalation:</b> X |
| <b>Eye:</b> May cause irritation on contact.  |  |  |
| <b>Skin:</b> May cause irritation on contact.   |  |  |
| <b>Ingestion:</b> May be harmful if swallowed.  |  |  |
| <b>Inhalation:</b> Overexposure to vapors may be harmful.   |  |  |
| <b>Signs and Symptoms of Exposure:</b> May irritate mucous membranes. Eye Contact: Possible burning, tearing and redness. <b>Skin Contact:</b> Irritation on direct contact.  |  |  |
| <b>Carcinogenicity:</b> NTP? No      IARC Monographs? No  |  |  |
| <b>OSHA Regulated?</b> No   |  |  |
| <b>Target Organ(s):</b> Eyes, skin, respiratory system. Gross overexposure to vapors may affect central nervous system, liver and kidneys.  |  |  |
| <b>Medical Conditions Generally Aggravated by Exposure:</b> N. Av.  |  |  |
| <b>Health Hazards, Chronic:</b> N. Av.  |  |  |
| <b>SECTION IV - FIRST AID MEASURES</b>  |  |  |
| <b>Emergency and First Aid Procedures:</b> If Swallowed: Do not induce vomiting. If person can swallow, give several glasses of water. Obtain immediate medical attention.  |  |  |
| <b>For Eye Contact:</b> Immediately flush eyes with running water for at least 15 minutes. Obtain immediate medical attention. <b>For Skin Contact:</b> Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. <b>For Inhalation:</b> Remove to fresh air. If irritation persists, obtain medical attention. |  |  |
| <b>Sources Used:</b> Raw material data, general toxicology from the trade for similar products.   |  |  |
| <b>SECTION V - FIRE FIGHTING MEASURES</b>   |  |  |
| <b>Flammability:</b> No <b>Autoignition Temperature:</b> N. Av.   |  |  |
| <b>Flash Point (method used):</b> None  |  |  |
| <b>Flammable Limits:</b> N. Av.      LEL      UEL   |  |  |
| <b>Extinguishing Media:</b> N. Av.  |  |  |
| <b>Water?</b>   | <b>Foam?</b>   | <b>Water Fog?</b>                      |
| <b>Alcohol Foam?</b>  | <b>CO<sub>2</sub>?</b>                                 | <b>Dry Chemical?</b>                   |
| <b>Vaporizing Liquid?</b>   | <b>Other?</b>  |  |
| <b>Special Fire Fighting Procedures:</b> N. Av.   |  |  |
| <b>Unusual Fire and Explosion Hazards:</b> N. Av.   |  |  |
| <b>TDG Flammability Classification:</b> Non-flammable   |  |  |
| <b>Sensitivity to Mechanical Impact:</b> None   |  |  |
| <b>Sensitivity to Static Discharge:</b> None  |  |  |
| <b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b>   |  |  |
| <b>Steps to be Taken in Case Material is Released or Spilled:</b><br>Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.   |  |  |
| <b>SECTION VII - HANDLING AND STORAGE</b>   |  |  |
| <b>Precautions to be Taken in Handling and Storing:</b> Normal care in handling and storage.  |  |  |
| <b>Other Precautions:</b> Keep out of reach of children.  |  |  |
| <b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b>   |  |  |
| <b>Respiratory Protection (Specify Types):</b> Not required where ventilation is sufficient to maintain vapor level below listed TLV.   |  |  |
| <b>Ventilation:</b> Local Exhaust: Not required      Special: Not required  |  |  |
| <b>Mechanical (General):</b> As required to keep vapor levels below TLV & PEL, listed in Section XI.      Other: Not required   |  |  |
| <b>Protective Gloves:</b> Natural rubber or synthetic.  |  |  |
| <b>Eye Protection:</b> Approved safety goggles or shield. <b>Footwear:</b> Rubber footwear.   |  |  |
| <b>Other Protective Clothing or Equipment:</b> Not required   |  |  |
| <b>Work/Hygienic Practices:</b> Do not contaminate food or beverages with cleaning chemicals.   |  |  |

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| <b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b>  |                   |                      |                               |                          |                      |
| <b>Boiling Point:</b> Approximately 212°F  |                   |                      | <b>pH:</b> 10 - 11            |                          |                      |
| <b>Specific Gravity (H<sub>2</sub>O) = 1:</b> 1.01   |                   |                      | <b>% Volatile:</b> 75 - 100   |                          |                      |
| <b>Vapor Density (Air = 1):</b> > 1  |                   |                      | <b>Odor Threshold:</b> N. Av. |                          |                      |
| <b>Evaporation Rate (Butyl Acetate = 1):</b> N. Av.  |                   |                      | <b>Oil/Water Distribution</b> |                          |                      |
| <b>Solubility in Water:</b> Complete   |                   |                      | <b>Coefficient:</b> N. Av.    |                          |                      |
| <b>Vapor Pressure (MM HG):</b> N. Av.  |                   |                      |                               |                          |                      |
| <b>Melting Point:</b> N. Av.   |                   |                      |                               |                          |                      |
| <b>SECTION X - STABILITY AND REACTIVITY</b>  |                   |                      |                               |                          |                      |
| <b>Stability:</b> <b>Unstable:</b> <b>Stable:</b> X  |                   |                      |                               |                          |                      |
| <b>Conditions to Avoid:</b> N. Av.   |                   |                      |                               |                          |                      |
| <b>Incompatibility (materials to avoid):</b> Strong acids and strong oxidizers.  |                   |                      |                               |                          |                      |
| <b>Hazardous Decomposition or By-products:</b> N. Av.  |                   |                      |                               |                          |                      |
| <b>Hazardous Polymerization:</b> <b>May occur:</b> <b>Will not occur:</b> X  |                   |                      |                               |                          |                      |
| <b>Conditions to Avoid:</b> N. Av.   |                   |                      |                               |                          |                      |
| <b>SECTION XI - TOXICOLOGICAL INFORMATION</b>  |                   |                      |                               |                          |                      |
| <b>Chemical</b>  | <b>OSHA PEL</b>   | <b>ACGIH TLV</b>     | <b>Recom.</b>                 | <b>LD50</b>              | <b>LC50</b>          |
| A  | 10 ppm<br>(skin)  | 10 ppm<br>(skin)     | N. Av.<br>(skin)              | 1.23 g/kg<br>(rat, oral) | 1,000 ppm.           |
| B  | 100 ppm<br>(skin) | 100 ppm<br>(skin)    | N. Av.<br>(skin)              | 5.6 g/kg<br>(rat, oral)  | <33,000 ppm<br>(rat) |
| C  | None              | 10 mg/m <sup>3</sup> | N. Av.                        | N. Av.                   | 10 ml/L<br>(minnow)  |
| D  | 3 ppm             | 3 ppm                | 3 ppm                         | N. Av.                   | N. Av.               |
| E  | None              | None                 | N. Av.                        | N. Av.                   | N. Av.               |
| <b>Teratogen, Mutagen, Reproductive Toxin Status:</b> No data with known relevance to humans.  |                   |                      |                               |                          |                      |
| <b>Toxicologically Synergistic Products:</b> N. Av.  |                   |                      |                               |                          |                      |
| <b>SECTION XII - ECOLOGICAL INFORMATION</b>  |                   |                      |                               |                          |                      |
| <b>Ecotoxicological Information:</b> N. Av.  |                   |                      |                               |                          |                      |
| <b>Chemical Fate Information:</b> N. Av.   |                   |                      |                               |                          |                      |
| <b>SECTION XIII - DISPOSAL CONSIDERATIONS</b>  |                   |                      |                               |                          |                      |
| <b>Waste Disposal Method:</b><br>Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations. |                   |                      |                               |                          |                      |
| <b>RCRA Hazard Class:</b> None   |                   |                      |                               |                          |                      |
| <b>SECTION XIV - TRANSPORT INFORMATION</b>   |                   |                      |                               |                          |                      |
| <b>Shipping Classification:</b> Compound, Cleaning Liquid, N.O.I.  |                   |                      |                               |                          |                      |
| <b>UN Number:</b> N. Av.   |                   |                      |                               |                          |                      |
| <b>Packing Group:</b> N. Av.   |                   |                      |                               |                          |                      |
| <b>SECTION XV - PREPARATION DATA</b>   |                   |                      |                               |                          |                      |
| <b>Prepared By:</b> Mike Elms  |                   |                      |                               |                          |                      |
| <b>Telephone Number:</b> 651-481-1900  |                   |                      |                               |                          |                      |
| <b>Date:</b> 4/08  |                   |                      |                               |                          |                      |
| <b>SECTION XVI - REGULATORY INFORMATION</b>  |                   |                      |                               |                          |                      |
| <b>US Federal Regulations</b>  |                   |                      |                               |                          |                      |
| <b>TSCA Status:</b> All ingredients listed.  |                   |                      |                               |                          |                      |
| <b>CERCLA Reportable Quality:</b> N. Av.   |                   |                      |                               |                          |                      |
| <b>SARA Title III</b>  |                   |                      |                               |                          |                      |
| <b>Section 302 Extremely Hazardous Chemicals:</b> None   |                   |                      |                               |                          |                      |
| <b>Section 311/312 Hazard Category:</b> Immediate health, chronic health   |                   |                      |                               |                          |                      |
| <b>Section 313 Toxic Chemicals:</b> None   |                   |                      |                               |                          |                      |
| <b>State Regulations</b>   |                   |                      |                               |                          |                      |
| <b>International Regulations</b>   |                   |                      |                               |                          |                      |
| <b>WHMIS Controlled Product Hazard Class:</b> D2B  |                   |                      |                               |                          |                      |
| <b>SECTION XVII - OTHER INFORMATION</b>  |                   |                      |                               |                          |                      |
| None   |                   |                      |                               |                          |                      |
| N. Av. - Not Applicable;      N.Av. - Not Available  |                   |                      |                               |                          |                      |

## NFPA SYSTEM

1 A. Health Hazard      0 A. Fire Hazard      0 A. Reactivity Hazard

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