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## SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name:	<b>KILZ® Original Aerosol</b>	<b>NFPA</b>
Product Code:	1024	4
MSDS Manufacturer Number:	1024	1 0
Manufacturer Name:	Masterchem Industries LLC	<b>NA</b>
Address:	3135 Old Highway M Imperial, MO 63052-2834	
General Phone Number:	(636) 942-2510	
General Fax Number:	(636) 942-3663	
Customer Service Phone Number:	(800) 325-3552	
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300	<b>HMIS</b>
Canutec:	In Canada, call CANUTEC: (613) 996-6666 (call collect)	Health Hazard 1
MSDS Creation Date:	June 26, 2006	Fire Hazard 4
MSDS Revision Date:	December 30, 2011	Reactivity 0
(M)SDS Format:	According to ANSI Z400.1-2004	Personal Protection x

## SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Titanium dioxide	13463-67-7	5 - 10 by weight
Aliphatic Hydrocarbon	64742-49-0	5 - 10 by weight
Nonanes	No Data	5 - 10 by weight
Rutile	1317-80-2	1 - 5 by weight
Silicate, mica	12001-26-2	5 - 10 by weight
Undisclosed/Proprietary	No Data	10 - 30 by weight
Talc, Magnesium silicate hydrate	14807-96-6	1 - 5 by weight
Octanes, all isomers	No Data	5 - 10 by weight
Non-hazardous ingredients		5 - 10 by weight
Acetone	67-64-1	10 - 30 by weight
Propane	74-98-6	10 - 30 by weight
Isobutane	75-28-5	1 - 5 by weight
n-butane	106-97-8	5 - 10 by weight

## SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview: Extremely flammable aerosol. Irritant. Contents under pressure.

## Potential Health Effects:

Eye:	May cause irritation.
Skin:	May cause irritation.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea and gastrointestinal irritation.
Chronic Health Effects:	Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash). Repeated or prolonged inhalation may cause toxic effects.
Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system. Central nervous system. Kidney.
Aggravation of Pre-Existing Conditions:	May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

## SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

## SECTION 5 : FIRE FIGHTING MEASURES

Flammable Properties:	Extremely flammable aerosol. Contents are under pressure. Will release flammable vapors at well below ambient temperatures and readily form flammable mixtures with air. It will burn in the open and may be explosive in confined spaces.
Flash Point:	-156°F (-104°C)
Lower Flammable/Explosive Limit:	0.8%
Upper Flammable/Explosive Limit:	12.8%
Fire Fighting Instructions:	Flammable. Cool fire-exposed containers using water spray.
Extinguishing Media:	Use alcohol resistant foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back.

**NFPA Ratings:**

NFPA Health:	1
NFPA Flammability:	4
NFPA Reactivity:	0
NFPA Other:	NA

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
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Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Remove all sources of ignition. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Collect spill with a non-sparking tool. Place into a suitable container for disposal.

## SECTION 7 : HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Work Practices:	To reduce potential for static discharge, bond and ground containers when transferring material.
Special Handling Procedures:	Do not reuse containers without proper cleaning or reconditioning.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

## SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### EXPOSURE GUIDELINES

<b><u>Titanium dioxide :</u></b>	
Guideline ACGIH:	TLV-TWA: 10 mg/m <sup>3</sup>
Guideline OSHA:	OSHA-TWA: 15 mg/m <sup>3</sup>
<b><u>Silicate, mica :</u></b>	
Guideline ACGIH:	TLV-TWA: 3 mg/m <sup>3</sup> (Respirable)
Guideline OSHA:	OSHA-TWA: 20 mg/m <sup>3</sup>
<b><u>Undisclosed/Proprietary :</u></b>	
Guideline ACGIH:	TLV-TWA: 300 ppm
<b><u>Talc, Magnesium silicate hydrate :</u></b>	
Guideline ACGIH:	TLV-TWA: 2 mg/m <sup>3</sup> (Respirable)
Guideline OSHA:	OSHA-TWA: 20 mg/m <sup>3</sup>
<b><u>Acetone :</u></b>	
Guideline ACGIH:	TLV-TWA: 500 ppm TLV-STEL: 750 ppm
Guideline OSHA:	OSHA-TWA: 1000 ppm
<b><u>Propane :</u></b>	
Guideline ACGIH:	TLV-TWA: 1000 ppm
Guideline OSHA:	OSHA-TWA: 1000 ppm
<b><u>Isobutane :</u></b>	
Guideline ACGIH:	TLV-TWA: 1000 ppm
<b><u>n-butane :</u></b>	
Guideline ACGIH:	TLV-TWA: 1000 ppm

## SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid.
Boiling Point:	No Data
Melting Point:	No Data
Density:	10 - 12 Lbs./gal.
Vapor Density:	Greater than 1 (Air = 1).
pH:	No Data
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	-156°F (-104°C)

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## SECTION 10 : STABILITY and REACTIVITY

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Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 0°C (32°F).
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

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## SECTION 11 : TOXICOLOGICAL INFORMATION

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### **Titanium dioxide :**

RTECS Number:	XR2275000
Skin:	Skin - Rabbit; Standard Draize test. : 300 ug/3D; (Intermittent) mild. (RTECS)
Ingestion:	Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - Hypermotility, diarrhea Gastrointestinal - Other changes. (RTECS)
Carcinogenicity:	IARC: Group 2B: Possibly carcinogenic to humans.

### **Rutile :**

RTECS Number:	VM2940000
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### **Silicate, mica :**

RTECS Number:	VV8760000
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### **Undisclosed/Proprietary :**

RTECS Number:	OI6180000
Eye:	Eye's - Human: 880 ppm/15M; No effects reported. (RTECS)

### **Talc, Magnesium silicate hydrate :**

RTECS Number:	WW2710000
Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans.

### **Acetone :**

Eye:	Eye - Rabbit; Standard Draize test. : 10 uL - mild (RTECS)
Skin:	Skin - Guinea pig; LD50: >9400 uL/kg - Details of toxic effects not reported other than lethal dose value. (RTECS)
Inhalation:	Inhalation - Rat LC50: 50100 mg/m <sup>3</sup> /8H - [Details of toxic effects not reported other than lethal dose value Inhalation - Mouse LC50: 44 gm/m <sup>3</sup> /4H - Details of toxic effects not reported other than lethal dose value. (RTECS)
Ingestion:	Ingestion - Rat LD50: 5800 mg/kg - Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Tremor Ingestion - Mouse LD50: 3 gm/kg - [Details of toxic effects not reported other than lethal dose value. (RTECS)

### **Isobutane :**

Inhalation:	Inhalation - Rat LC50: 570,000 ppm/15M - [Behavioral - Tremor Behavioral - Convulsions or effect on seizure threshold Lungs, Thorax, or Respiration - Respiratory depression] (RTECS)
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**n-butane :**

RTECS Number: EJ4200000

Inhalation: Ingestion - Rat LC50: 658000 mg/m3/4H - [Details of toxic effects not reported other than lethal dose value] (RTECS)

**SECTION 12 : ECOLOGICAL INFORMATION**

Ecotoxicity: No ecotoxicity data was found for the product.

Environmental Fate: No environmental information found for this product.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

Important Disposal Information: DANGER! Rags, steel wool and waste soaked with this product may spontaneously catch fire if improperly discarded or stored. To avoid a spontaneous combustion fire, immediately after use, place rags, steel wool or waste in a sealed, water-filled, metal container. Do not store unused product inside the home. For disposal guidance, contact your household refuse collection service, fire department, county or state government environmental control agency.

**SECTION 14 : TRANSPORT INFORMATION**

DOT Shipping Name: Aerosol flammable

DOT UN Number: UN1950

DOT Hazard Class: 2.1

DOT Packing Group: III

**SECTION 15 : REGULATORY INFORMATION**

California PROP 65: WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

**Titanium dioxide :**

TSCA Inventory Status: Listed

State Regulations: Listed in the New Jersey State Right to Know List.  
Listed in the Pennsylvania State Hazardous Substances List.

Canada DSL: Listed

**Aliphatic Hydrocarbon :**

TSCA Inventory Status: Listed

Canada DSL: Listed

**Rutile :**

TSCA Inventory Status: Listed

State Regulations: Listed in the Pennsylvania State Hazardous Substances List.

Canada DSL: Listed

**Silicate, mica :**

TSCA Inventory Status: Not listed

State Regulations: Listed in the New Jersey State Right to Know List.  
Listed in the Pennsylvania State Hazardous Substances List.

Canada DSL: Listed

**Undisclosed/Proprietary :**

TSCA Inventory Status: Listed  
 State Regulations: Listed in the New Jersey State Right to Know List.  
 Listed in the Pennsylvania State Hazardous Substances List.

Canada DSL: Listed

**Talc, Magnesium silicate hydrate :**

TSCA Inventory Status: Listed  
 State Regulations: Listed in the New Jersey State Right to Know List.  
 Listed in the Pennsylvania State Hazardous Substances List.

Canada DSL: Listed

**Non-hazardous ingredients :**

TSCA Inventory Status: Contains calcium carbonate (CAS:1317-65-3), which is listed in the TSCA inventory.

**Acetone :**

TSCA Inventory Status: Listed  
 State Regulations: Listed in the Pennsylvania State Hazardous Substances List.

Canada DSL: Listed

**Propane :**

TSCA Inventory Status: Listed  
 State Regulations: Listed in the Pennsylvania State Hazardous Substances List.  
 Listed in the New Jersey State Right to Know List.

Canada DSL: Listed

**Isobutane :**

TSCA Inventory Status: Listed  
 State Regulations: Listed in the Pennsylvania State Hazardous Substances List.  
 Listed in the New Jersey State Right to Know List..

Canada DSL: Listed

**n-butane :**

TSCA Inventory Status: Listed  
 State Regulations: Listed in the Pennsylvania State Hazardous Substances List.  
 Listed in the New Jersey State Right to Know List.

Canada DSL: Listed

**SECTION 16 : ADDITIONAL INFORMATION**

MSDS Creation Date: June 26, 2006

MSDS Revision Date: December 30, 2011

MSDS Revision Notes: Quarterly formula update

MSDS Author: Actio Corporation

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