SAFETY DATA SHEET

# K.O. DIRT BLASTER™

Dirt and grease stripper

Sid Harvey item # F51-18

SDS# Z0097

## Section 1 – Product and Company Information

Product Name
K.O. Dirt Blaster™

Product Codes
88438

Chemical Family
Organic

Use
Cleaner and degreaser

Manufacturer's Name
The RectorSeal Corporation
2601 Spenwick Drive
Houston, Texas 77055 USA

Date of Validation
April 4, 2017

Date of Preparation
April 4, 2017

HMIS Codes

| | |
|---|---|
| Health | 2 |
| Flammability | 0 |
| Reactivity | 0 |
| PPI | B |

Emergency Telephone No.
Chemtrec 24 Hours
(800)-424-9300 USA
(703)-527-3887 International

Technical Service Telephone No.
(800)-231-3345 or (713)-263-8001

## Section 2 – Hazards Identification

### Emergency Overview

**OSHA Hazards**
Carcinogen, Target Organ Effect, Harmful by ingestion, Irritant

**Target Organs**
Liver, pancreas, Blood, Central nervous system, Heart, Kidney

### GHS Classification

Acute toxicity, Oral (Category 4)
Skin irritation (Category 2)
Eye irritation (Category 2B)
Carcinogenicity (Category 2)

## GHS Label elements, including precautionary statements

GHS04: Compressed Gas Cylinder
GHS07: Exclamation Mark
GHS08: Health Hazard
Signal Word: **Warning**

Hazard statement(s)
H302 - Harmful if swallowed.
H315 + H320 - Causes skin and eye irritation.
H351 - Suspected of causing cancer.

Precautionary statement(s)
P281 - Use personal protective equipment as required.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Summary Of Acute Hazards

Repeated inhalation may cause dizziness, nausea and CNS effects. May cause severe eye and skin irritation.

## Route Of Exposure, Signs And Symptoms

INHALATION
Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

EYE CONTACT
Contact with eyes may cause severe irritation.

SKIN CONTACT
Irritation and drying.

INGESTION
May cause irritation of the digestive tract. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

SUMMARY OF CHRONIC HAZARDS
Skin irritation, contact dermatitis, and defatting.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

## Section 3 – Composition/Information on Ingredients

| | |
|---|---|
| **Ingredient:** | Methylene Chloride |
| Percentage By Weight: | --- |
| CAS Number: | 75-09-2 |
| EC#: | 200-838-9 |

## Section 4 – First Aid Measures

| | |
|---|---|
| If inhaled: | If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential. |
| If on skin: | Immediately wash with soap and water. Remove and wash any contaminated clothing. |
| If in eyes: | Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists. |
| If swallowed: | If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person. |

## Section 5 – Fire Fighting Measures

**Extinguishing Media**

Foam, dry chemical, $CO_2$, or water fog.

**Special Fire Fighting Procedures:** Wear self-contained full face piece breathing apparatus and full body protective clothing. Hazardous decomposition products possible (see Section 10). Evacuate area. Dike area as run-off may create additional environmental contamination.

**Unusual Fire And Explosion Hazards:** Aerosol cans are under pressure– exposure to temperatures above 120°F (48°C) can cause bursting or "rocketing" of cans.

## Section 6 – Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Use absorbent materials to prevent footing hazard and to contain. Ventilate area with forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

## Section 7 – Handling and Storage

**Precautions To Be Taken In Handling And Storing:** Shake well before using. Keep away from heat and open flames. Prolonged exposure to direct sunshine or storage above 120°F (48°C) may cause can to burst. Do not puncture or incinerate can.

**Other Precautions:** Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions.

KEEP OUT OF REACH OF CHILDREN.

## Section 8 – Exposure Controls/Personal Protection

| Ingredient | Units |
|---|---|
| **Methylene Chloride** | |
| ACGIH TLV: | 50 ppm |
| OSHA PEL: | 25 ppm |
| OSHA STEL: | 125 ppm |

**Respiratory Protection (Specify Type):** In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators during soldering operations until fumes have dissipated.

**Ventilation – Local Exhaust:** Acceptable

**Special:** Explosion proof

**Mechanical (General):** Acceptable

**Other:** N/A

**Protective Gloves:** Wear rubber gloves.

**Eye Protection:** Safety glasses (ANSI Z-87.1 or equivalent)

**Other Protective Clothing Or Equipment:** Chemical resistant coveralls recommended.

**Work/Hygienic Practices:** Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

## Section 9 – Physical and Chemical Properties

| | |
|---|---|
| Boiling point: | 104°F (40°C) @ 760mm Hg |
| Specific gravity (H20 = 1): | 1.27 |
| Vapor pressure (mmHg): | 350 mm Hg @ 68°F (20°C) |
| Melting point: | N/A |
| Vapor Density (Air = 1): | 2.9 |
| Evaporation rate (Ethyl Acetate = 1): | > 1 |
| Appearance/Odor: | Clear liquid/Citrus odor |
| Solubility in water: | Insoluble |
| Volatile Organic Compounds (VOC) Content (theoretical percentage by weight): | 0% or 0 g/L (VOC Exempt) |

| | |
|---|---|
| Flash point: | None |
| Lower explosion limit: | N/D |
| Upper explosion limit: | N/D |
| Aerosol flame extension: | Negative |

## Section 10 – Stability and Reactivity

**Stability:** Stable

**Conditions To Avoid:** Do not store in temperatures above 120°F (48°C).

**Incompatibility (Materials To Avoid):** Oxidizers, acids and bases.

**Hazardous Decomposition Products:** CO, $CO_2$, and fragmented hydrocarbons.

**Hazardous Polymerization:** Will not occur.

## Section 11 – Toxicology Information

### Chronic Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Methylene chloride has been shown to cause cancer in certain laboratory animals. Risk to your health depends on level and duration of exposure.

**Carcinogenicity - rat - Inhalation**

| | |
|---|---|
| Tumorigenic: | Carcinogenic by RTECS criteria. |
| Endocrine: | Tumors. |

Limited evidence of carcinogenicity in animal studies

| | |
|---|---|
| IARC: 2B - Group 2B: | Possibly carcinogenic to humans (Methylene chloride) |
| NTP: | Reasonably anticipated to be a human carcinogen (Methylene chloride) |

Toxicology Data

Ingredient Name

**Methylene Chloride**

| | |
|---|---|
| Oral-Rat LD50: | 1600 mg/kg |
| Inhalation-Rat LC50: | 88,000 mg/m3/30M |

## Section 12 – Ecological Information

### Ecological Data

| | |
|---|---|
| Ingredient Name: | **Methylene Chloride** |
| Food Chain Concentration Potential: | None |
| Waterfowl Toxicity | N/A |
| BOD | N/A |
| Aquatic Toxicity | N/A |

## Section 13 – Disposal Considerations

**Waste Classification:** Aerosols

**Disposal Method:** Empty containers can be disposed of in trash. Full containers should be depressurized to separate liquid phase. The liquid phase is considered a U080 waste and should be incinerated. Dispose of all liquid waste in accordance with all local, state and federal regulations.

## Section 14 – Transportation Information

| | |
|---|---|
| DOT: | Limited Quantity or LTD-QTY |
| Ocean (IMDG): | UN1950, Aerosols, Class 2.2, LTD-QTY, EMS-No: F-A, S-A |
| Air (IATA): | UN1950, Aerosols, Class 2.2, ERG#126 |
| WHMIS (Canada): | Class A, (Class D Division 1, Subdivision B) |

## Section 15 – Regulatory Information

**Regulatory Data**

| | |
|---|---|
| Ingredient Name: | **Methylene Chloride** |
| SARA 313 | Yes |
| TSCA Inventory | Yes |
| CERCLA RQ | 1000 lbs. |
| RCRA Code | U080 |

**California Proposition 65**

This product contains methylene chloride known to the state of California to cause cancer and/or birth defects or reproductive harm.

## Section 16 – Other Information

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).
The information herein is given in good faith, but no warranty, expressed or implied is made.

Consult RectorSeal for further information: (713) 263-8001

# SAFETY DATA SHEET

SDS 0223

## Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME
K.O. Dirt Blaster (TM)

PRODUCT CODES
88438

CHEMICAL FAMILY
Organic

USE
Cleaner & Degreaser

HMIS CODES

| | |
|---|---|
| Health | 2 |
| Flammability | 0 |
| Reactivity | 0 |
| PPI | B |

MANUFACTURER'S NAME
The RectorSeal Corporation
2601 Spenwick Drive
Houston, Texas 77055 USA

EMERGENCY TELEPHONE NO.
Chemtrec 24 Hours
(800)424-9300 USA
(703)527-3887 International

DATE OF VALIDATION
April 1, 2015

TECHNICAL SERVICE TELEPHONE NO.
(800)231-3345 or (713)263-8001

DATE OF PREPARATION
April 1, 2015

## Section 2 -- HAZARDS IDENTIFICATION

Emergency Overview
OSHA Hazards
Carcinogen, Target Organ Effect, Harmful by ingestion., Irritant
Target Organs
Liver, pancreas, Blood, Central nervous system, Heart, Kidney
GHS Classification
Acute toxicity, Oral (Category 4)
Skin irritation (Category 2)
Eye irritation (Category 2B)
Carcinogenicity (Category 2)

GHS Label elements, including precautionary statements
Pictogram: GHS08 Health hazard, GHS07 Exclamation mark, GHS04 Gas Cylinder
Signal Word: Warning
Hazard statement(s)
H302 - Harmful if swallowed.
H315 + H320 - Causes skin and eye irritation.
H351 - Suspected of causing cancer.
Precautionary statement(s)
P281 - Use personal protective equipment as required.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SUMMARY OF ACUTE HAZARDS
Repeated inhalation may cause dizziness, nausea and CNS effects. May cause severe eye and skin irritation.

ROUTE OF EXPOSURE, SIGNS AND SYMPTOMS

INHALATION
Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

EYE CONTACT
Contact with eyes may cause severe irritation.

SKIN CONTACT
Irritation and drying.

INGESTION
May cause irritation of the digestive tract. May cause central nervous system depression, characterized by excitement, followed by headache,

dizziness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure.

SUMMARY OF CHRONIC HAZARDS

Skin irritation, contact dermatitis, and defatting.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

## Section 3 -- COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Methylene Chloride
PERCENTAGE BY WEIGHT: --
CAS NUMBER: 75-09-2
EC# : 200-838-9

## Section 4 -- FIRST AID MEASURES

| | |
|---|---|
| If INHALED: | If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential. |
| If on SKIN: | Immediately wash with soap and water. Remove and wash any contaminated clothing. |
| If in EYES: | Flush eyes with large amounts of water for 15 minutes. Get medical attention if irritation persists. |
| If SWALLOWED: | If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person. |

## Section 5 -- FIRE FIGHTING MEASURES

EXTINGUSING MEDIA

Foam, dry chemical, $CO_2$, or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained full face piece breathing apparatus and full body protective clothing. Hazardous decomposition products possible (see Section 10). Evacuate area. Dike area as run-off may create additional environmental contamination.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Aerosol cans are under pressure - exposure to temperatures above 120F can cause bursting or "rocketing" of cans.

## Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Use absorbent materials to prevent footing hazard and to contain. Ventilate area with forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

## Section 7 -- HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Shake well before using. Keep away from heat and open flames. Prolonged exposure to direct sunshine or storage above 120 F may cause can to burst. Do not puncture or incinerate can.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues; treat as if full and observe all products precautions.

## Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

| INGREDIENT | UNITS |
|---|---|
| Methylene Chloride | |
| ACGIH TLV | 50 ppm |
| OSHA PEL | 25 ppm |
| OSHA STEL | 125 ppm |

RESPIRATORY PROTECTION (SPECIFY TYPE): In confined, poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators during

soldering operations until fumes have dissipated.
VENTILATION - LOCAL EXHAUST: Acceptable
SPECIAL: Explosion proof
MECHANICAL (GENERAL): Acceptable
OTHER: N/A
PROTECTIVE GLOVES: Wear rubber gloves.
EYE PROTECTION: Safety glasses (ANSI Z-87.1 or equivalent)
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Chemical resistant coveralls recommended.
WORK/HYGIENIC PRACTICES: Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

## Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| BOILING POINT: | 104 F (40 C)@ 760mm Hg |
| SPECIFIC GRAVITY (H20 = 1): | 1.27 |
| VAPOR PRESSURE (mm Hg): | 350 mm HG @ 20 C |
| MELTING POINT: | N/A |
| VAPOR DENSITY (AIR = 1): | 2.9 |
| EVAPORATION RATE (ETHYL ACETATE = 1): | >1 |
| APPEARANCE/ODOR: | Clear Liquid / Citrus Odor |
| SOLUBILITY IN WATER: | Insoluble |
| AEROSOL FLAME EXTENSION: | Negative |
| FLASH POINT: | None |
| LOWER EXPLOSION LIMIT: | N/D |
| UPPER EXPLOSION LIMIT: | N/D |
| VOLATILE ORGANIC COMPOUNDS(VOC)Content (Theoretical Percentage By Weight): | 0% or 0 g/L (VOC Exempt) |

## Section 10 -- STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: Do not store in temperatures above 120 F.
INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers, acids and bases.
HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO, and fragmented hydrocarbons.
HAZARDOUS POLYMERIZATION: Will not occur.

## Section 11 -- TOXICOLOGY INFORMATION

CHRONIC HEALTH HAZARDS
No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Methylene chloride has been shown to cause cancer in certain laboratory animals. Risk to your health depends on level and duration of exposure.
Carcinogenicity - rat - Inhalation
Tumorigenic:Carcinogenic by RTECS criteria. Endocrine:Tumors.
Limited evidence of carcinogenicity in animal studies
IARC: 2B - Group 2B: Possibly carcinogenic to humans (Methylene chloride)
NTP: Reasonably anticipated to be a human carcinogen (Methylene chloride)

TOXICOLOGY DATA
Ingredient Name

Methylene Chloride
Oral-Rat LD50:1600 mg/kg
Inhalation-Rat LC50:88,000 mg/m3/30M

## Section 12 -- Ecological Information

ECOLOGICAL DATA
Ingredient Name

Methylene Chloride

| | |
|---|---|
| Food Chain Concentration Potential | None |
| WATERFOWL TOXICITY | N/A |
| BOD | N/A |
| AQUATIC TOXICITY | N/A |

## Section 13 -- DISPOSAL CONSIDERATIONS

Waste Classification: Aerosols
Disposal Method: Empty containers can be disposed of in trash. Full containers should be depressurized to separate liquid phase. The liquid phase is considered a U080 waste and should be incinerated. Dispose of all liquid waste in accordance with all local, state and federal regulations.

## Section 14 -- TRANSPORTATION INFORMATION

DOT: UN1950, Aerosols, Class 2.2, ERG#126
OCEAN (IMDG): UN1950, Aerosols, Class 2.2, LTD-QTY, EMS-No: F-A, S-A
AIR (IATA): UN1950, Aerosols, Class 2.2, ERG#126
WHMIS (CANADA): Class A, (Class D Division 1, Subdivision B)

## Section 15 -- REGULATORY INFORMATION

REGULATORY DATA
Ingredient Name

Methylene Chloride

| | |
|---|---|
| SARA 313 | Yes |
| TSCA Inventory | Yes |
| CERCLA RQ | 1000 lbs. |
| RCRA Code | U080 |

CALIFORNIA PROPOSITION 65
This product contains methylene chloride known to the state of California to cause cancer and/or birth defects or reproductive harm.

## Section 16 -- OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made. Consult RectorSeal for further information: (713) 263-8001

# *MATERIAL SAFETY DATA SHEET - K.O.™ Dirt Blaster*

**MSDS0223**
**Ver. No.1**
**Ver. Date November 14, 2000**

## *SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION*

**PRODUCT NAME:** K.O.™ Dirt Blaster
**PRODUCT CODE:** 88438
**CHEMICAL FAMILY:** Organic
**USE:** Cleaner & Degreaser

**MANUFACTURER/ SUPPLIER**
RectorSeal
2601 Spenwick
Houston, Texas 77055 USA

**EMERGENCY TELEPHONE NUMBERS:**
Chemtrec 24 hours: (800) 424-9300
RectorSeal: (713) 263-8001
**NON EMERGENCY TELEPHONE NUMBERS:**
Technical Service: (800) 231-3345

## *SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS*

| HAZARDOUS COMPONENTS | CAS NO. | APPROX % | OSHA PEL | ACGIH TLV | OTHER LIMITS | HMIS | NFPA |
|---|---|---|---|---|---|---|---|
| Methylene Chloride | 75-09-2 | 93.84 | 25 ppm | 50 ppm | STEL 125 ppm | H2,F1,R0 | H2,F1,R0 |

## *SECTION 3 HAZARDS IDENTIFICATION*

**SUMMARY OF ACUTE HAZARDS** Repeated inhalation may cause dizziness, nausea and CNS effects. May cause severe eye and skin irritation with possible burns.

| ROUTE OF EXPOSURE | SIGNS AND SYMPTOMS | PRIMARY ROUTE(S) |
|---|---|---|
| **INHALATION:** | Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. | Yes |
| **EYE CONTACT:** | Contact with eyes may cause severe irritation, and possible eye burns. | Yes |
| **SKIN CONTACT:** | May be absorbed through skin. Causes irritation with burning pain, itching, and redness. Prolonged exposure may result in skin burns. | Yes |
| **INGESTION:** | May cause irritation of the digestive tract. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. | No |

**SUMMARY OF CHRONIC HAZARDS:** Possible cancer hazard based on tests with laboratory animals. Prolonged or repeated skin contact may cause dermatitis. May cause fetal effects.
**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Individuals with pre-existing or chronic diseases of the eyes, skin, respiratory system, cardiovascular system, gastrointestinal system, liver, or kidneys may have increased susceptibility to excessive exposure.

## *SECTION 4 FIRST AID MEASURES*

**INHALATION:** Remove to fresh air; administer oxygen, or artificial respiration if needed. Seek immediate medical attention.
**EYE CONTACT:** Immediately flush with large amounts of water for at least 15 minutes. Get prompt medical attention.
**SKIN CONTACT:** Wash with soap and water. If irritation occurs, seek medical attention.
**INGESTION:** If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

## *SECTION 5 FIRE FIGHTING MEASURES*

**FLASH POINT:** Negative Flame Extension, (NFPA) Level 1 Aerosol **FLAMMABILITY LIMITS:** LEL: N/A UEL: N/A
**EXTINGUISHING MEDIA:** Foam, dry chemical, $CO_2$, or water fog.
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained full face piece breathing apparatus and other protective clothing. Evacuate immediate area. Hazardous decomposition products possible (see Section 10). Dike fire control area as run-off may create additional fire hazard and environmental contamination. Cool heat exposed containers with water. If spill or leak has not ignited, use water spray to disperse vapors.
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Aerosol cans are under pressure – exposure to temperatures above 120°F can cause bursting or "rocketing" of cans. Firefighters should use self-contained respiratory protection in building or confined space.

## *SECTION 6 ACCIDENTAL RELEASE MEASURES*

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Use absorbent materials to prevent footing hazard and to contain. Ventilate area with forced air ventilation. Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing and respiratory protection during cleanup.

## *SECTION 7 STORAGE AND HANDLING*

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Shake well before using. Keep away from heat and open flames. Prolonged exposure to direct sunshine or storage above 120°F may cause can to burst. Do not puncture or incinerate can.
**OTHER PRECAUTIONS:** Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all products precautions. Do not reuse empty containers. **KEEP OUT OF REACH OF CHILDREN**.

## *SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION*

**RESPIRATORY PROTECTION (SPECIFY TYPE):** Normally none required. For clean up in confined poorly ventilated areas, use NIOSH/MSHA approved air purifying or supplied air respirators.
**VENTILATION – LOCAL EXHAUST:** Acceptable
**MECHANICAL (GENERAL):** Preferable
**SPECIAL:** N/A
**OTHER:** N/A
**PROTECTIVE GLOVES:** Wear PVA or Silver Shield.
**EYE PROTECTION:** Goggles
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Coveralls recommended.
**WORK/HYGIENIC PRACTICES:** Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

## *SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES*

**BOILING POINT:** 104°F(40°C)
**VAPOR PRESSURE (mm Hg):** 350 mm HG @ 20°C
**VAPOR DENSITY (AIR = 1):** 2.9
**SOLUBILITY IN WATER:** Moderately soluble in water
**SPECIFIC GRAVITY ($H_20$ = 1):** 1.27
**MELTING POINT:** N/A
**EVAPORATION RATE (ETHYL ACETATE = 1):** > 1
**APPEARANCE/ODOR:** Clear liquid / Citrus Odor

## *SECTION 10 STABILITY AND REACTIVITY*

**STABILITY:** Stable
**CONDITIONS TO AVOID:** Heat, sparks, open flames, strong oxidants and incompatible materials.
**INCOMPATIBILITY (MATERIALS TO AVOID):** Incompatible with strong oxidizers. Can react dangerously with nitrogen tetroxide, liquid oxygen, potassium, sodium, sodium-potassium alloys, lithium, potassium hydroxide with N-methyl-N-nitroso urea, potassium t-butoxide, and finely powdered aluminum and magnesium.
**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, phosgene, carbon monoxide, carbon dioxide.
**HAZARDOUS POLYMERIZATION:** Will not occur.

## *SECTION 11 TOXICOLOGY INFORMATION*

**CARCINOGENICITY:** **NTP:** No **IARC MONOGRAPHS:** No **OSHA REGULATED:** No

| SUBSTANCE | LD50 | LC50 |
|---|---|---|
| Methylene Chloride | Oral-Rat LD50:1600 mg/kg | Inhalation-Rat LC50:88,000 mg/m3/30M |

## *SECTION 12 ECOLOGICAL INFORMATION*

| SUBSTANCE | FOOD CHAIN CON POTENTIAL | WATERFOWL TOXICITY | BOD | AQUATIC TOXICITY |
|---|---|---|---|---|
| Methylene Chloride | None | N/A | N/A | N/A |

## *SECTION 13 DISPOSAL CONSIDERATIONS*

**WASTE DISPOSAL METHOD:** Dispose of clean up materials and liquid waste in accordance with all local, state and federal regulations.
NOTE – DO NOT INCINERATE AEROSOL CANS

## *SECTION 14 TRANSPORTATION INFORMATION*

**DOT:** Aerosols, Class 2.2, UN 1950, ERG#126
**OCEAN (IMDG):** Aerosols, Class 2.2, UN 1950, IMDG#2102, EMS#2-13
**AIR (IATA):** Aerosols, Class 2.2, UN 1950, ERG#126
**WHMIS (CANADA):** Class A, (Class D Division 1, Subdivision B)

## *SECTION 15 REGULATORY INFORMATION*

| SUBSTANCE | SARA 313 | TSCA INVENTORY | CERCLA RQ | RCRA CODE |
|---|---|---|---|---|
| Methylene Chloride | Yes | Yes | 1,000 lbs. | U080 |

**California Safe Drinking Water and Toxic Enforcement Act of 1988 – Proposition 65**
This product contains methylene chloride known to the state of California to cause cancer and/or birth defects or reproductive harm.

## *SECTION 16 OTHER INFORMATION*

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