

Material Safety Data Sheet

AC-1

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

GOODSON
Tools and Supplies for Engine Builders
Airport Industrial Park • P.O. Box 847 • Winona, MN 55987-0847
Toll-Free 1-800-533-8010 • Local 507-452-1830 • www.goodson.com

DATE OF PREPARATION: March 12, 1997

1. IDENTIFICATION

Part No. & Description: AC-1 Alumni-Check Cleaner 16oz.

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient, Technical Descp.</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% WT</u>
Medium Aliphatic Solvent Naphtha	64742-88-7	100 ppm	100 ppm	25-30
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm	25-30
Liquefied Petroleum Gas	68476-85-7	1000 ppm	1000 ppm	15-20
Xylene	1330-20-7	100 ppm	100 ppm	10-15
Acetone	67-64-1	1000 ppm	750 ppm	5-10
Methyl Isobutyl Ketone	108-10-1	100 ppm	50 ppm	5-10
Butyl Carbitol	112-34-5	n/e	n/e	<5
Carbon Dioxide	5989-27-5	5000 ppm	5000 ppm	<5

3. HAZARDS IDENTIFICATION

Emergency Overview: Contents extremely flammable and under pressure. Store below 120°F, out of sunlight and away from heat sources. Do not puncture or incinerate. Avoid contact with skin and eyes. Vapor harmful. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

HMIS Ratings: Health - 1, Fire - 3, Reactivity - 0, Protective Equipment - B

POTENTIAL HEALTH EFFECTS

Eye: Liquid or vapors may cause redness, burning, tearing, swelling and/or pain.

Skin: Frequent or prolonged contact can result in defatting & drying of the skin which may result in skin irritation & dermatitis(rash).

Ingestion: Due to being an aerosol, product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat and gastrointestinal tract, resulting in vomiting and/or cramps.

Inhalation: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait or confusion.

Medical Conditions Aggravated: Skin contact may aggravate an existing dermatitis. Others unknown.

Carcinogen Data: None of the ingredients in this product are listed with OSHA, IARC or NTP as being carcinogenic.

4. FIRST AID MEASURES

Ingestion: Unlikely due to being in aerosol form. Should actual ingestion occur, do not induce vomiting! Drink a glass of water or milk to dilute. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Eye: Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician for definitive treatment.

Skin: Remove with soap and water. Continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult a physician if irritation continues or if large skin area is affected.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.

5. FIRE FIGHTING HAZARD

Flash Point: Propellant < 0°F **Flammable Limits:** LEL: 1.8% UEL: 9.5%

Extinguishing Media: For warehouse and storage conditions, use NFPA Class B extinguishers (CO2, dry chemical or universal aqueous film forming foam).

Special Firefighting Procedures: Use water spray to cool fire exposed aerosol containers for containers can rupture violently from heat developed pressure.

Unusual Fire & Explosion Hazards: Contents extremely flammable & under pressure. In addition, when liquid or vapor comes into contact with flames or red hot metal, products of combustion will be created. Firemen should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Containment Procedures: Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill.

Spill Clean-up: Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove all sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.

Special Instructions: Aerosol products represent a limited hazard & will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately & continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal considerations.

Reporting Requirements: Spills due to the rupture of a single aerosol can are generally below any regulatory reporting requirements. However, if larger spills somehow result, the reporting requirements of the EPA and other local, state and federal agencies should be observed.

7. HANDLING AND STORAGE

Avoid prolonged or repeated skin contact. Avoid breathing vapors. Store in area below 120°F. Do not incinerate (burn) containers. Assure can is in a secure place to prevent knocking over and accidental rupture. Always replace overcap when not in use. For storage of pallet quantities, compliance with ANSI/NFPA 30B is recommended.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guideline: Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing, use the lowest rated ingredient in Section 2.

Skin Protection: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing such as Sol-Vex®gloves or other clothing impervious to the ingredients listed in Section 2.

Eye Protection: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact could occur, chemical splash proof goggles are recommended.

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required an appropriate NIOSH approved respirator for organic vapor should be worn. If respirators are needed, assure compliance with OSHA standard 29 CFR 1910.134.

Engineering Controls: General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be needed to control air contamination below that of the lowest TLV/PEL rated ingredient from Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Propellant <0°F	Vapor Pressure:	No data	Vapor Density (Air=1):	Above 1.0
Water Solubility:	Negligible	Percent Volatile:	90.0% Wt Max	Specific Gravity(H2O=1):	Below 1.0
Appearance & Odor:	Clear with a solvent odor				

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Heat, sparks, flame, red hot metal

Incompatibilities: Strong oxidizing materials

Decomposition Products: Oxides of Carbon

11. TOXICOLOGICAL INFORMATION

Acute Oral LD50: Petroleum Naphtha >25ml/kg (rat), Xylene >4g/kg (rat), Isopropyl Alcohol >5g/kg (rat), Butyl Carbitol >7g/kg (rat), Acetone >9g/kg (rat), Methyl Isobutyl Ketone >2g/kg (rat)

Acute Dermal LD50: Petroleum Naphtha >4ml/kg (rabbit), Xylene >3ml/kg (rabbit), Isopropyl Alcohol >12g/kg (rabbit), Butyl Carbitol >2g/kg (rabbit), Acetone >20g/kg (rabbit), Methyl Isobutyl Ketone >20ml/kg (rabbit)

Acute Inhalation LC50: LPG 57.42% v/v (mice), Petroleum Naphtha >700ppm/4h (rat), Xylene 6700ppm/4h (rat), Isopropyl Alcohol 12000ppm/8h (rat), Acetone 16000ppm/4h (rat), Methyl Isobutyl Ketone 4000ppm/4h (rat)

12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects.

13. DISPOSAL CONSIDERATIONS

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are not recycled they must be managed under all applicable RCRA and state regulations.

14. TRANSPORTATION INFORMATION

DOT HM-181 INFORMATION

Proper Shipping Name: Consumer Commodity

Hazard Class or Division: ORM-D

Identification No.: none

Packing Group: -

Label(s) Required: none

INTERNATIONAL TRANSPORTATION REGULATIONS

Proper Shipping Name: Aerosols, Flammable NOS

Class or Division: 2.1

Subsidiary Risk: -

Hazard Label(s): Flammable Gas

Packing Group: -

UN or ID Number: UN1950

NATIONAL MOTOR FREIGHT CLASSIFICATION

Item: 50303

Article: Compounds, Cleaning

Class: 55

15. REGULATORY INFORMATION

Toxic Substances Control Act: All of the ingredients in this product are on the TSCA inventory.

SARA TITLE III, Section 313: The following ingredients are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: Xylene (10.0%, Methyl Isobutyl Ketone (6.8%)

Clean Air Act (CAA): The following ingredients appear on the List of Hazardous Air Pollutants (HAP-42 USC 7412, Title I, Part A, p112): Xylene, Methyl Isobutyl Ketone

Clean Water Act (CWA): The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): Xylene

California Proposition 65: The following ingredients appear on the Proposition 65 list(s): None

Canadian Workplace Hazardous Materials Information System (WHMIS): The following ingredients are listed: all

16. OTHER INFORMATION

No other data available

Material Safety Data Sheet

AC-2

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

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DATE OF PREPARATION: March 12, 1997

1. CHEMICAL PRODUCT IDENTIFICATION

Part No.: AC-2

Description: Alumni-Chek Penetrant 16 oz.

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients, Technical Description</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>%Wt.</u>
Medium Aliphatic Solvent Naphtha	64742-88-7	100 ppm	100 ppm	25-30
Liquefied Petroleum Gas	68476-85-7	1000 ppm	1000 ppm	15-20
Isopropyl Alcohol	67-63-0	400 ppm	400 ppm	15-20
Heptane	142-82-5	400 ppm	400 ppm	15-20
Acetone	67-64-1	1000 ppm	750 ppm	10-15
Methyl Isobutyl Ketone	108-10-1	100 ppm	50 ppm	5-10
Butyl Carbitol	112-34-5	n/e	n/e	<5
Carbon Dioxide	5989-27-5	5000 ppm	5000 ppm	<5
C.I. Solvent Red 164	71819-51-7	n/e	n/e	<1

Abbreviations: n/e = none established

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Contents extremely flammable and under pressure. Store below 120°F, out of sunlight and away from heat sources. Do not puncture or incinerate. Avoid contact with skin and eyes. Vapor harmful. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

HMIS Ratings: Health - 1; Fire - 3; Reactivity - 0; Protective Equipment - B

POTENTIAL HEALTH EFFECTS

Eye: Liquid or vapors may cause redness, burning, tearing, swelling and/or pain.

Skin: Frequent or prolonged contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Ingestion: Due to being an aerosol, product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth and gastrointestinal tract, resulting in vomiting and/or cramps.

Inhalation: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, or confusion.

Medical Conditions Aggravated: Skin contact may aggravate an existing dermatitis. Others unknown.

Carcinogen Data: None of the ingredients in this product are listed with OSHA, IARC, or NTP as being carcinogenic.

4. FIRST AID MEASURES

Ingestion: Unlikely due to being in aerosol form. Should actual ingestion occur, do not induce vomiting! Drink a glass of water or milk to dilute. Call a physician or poison control center immediately. Never give anything by mouth to unconscious person.

Eye: Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under eyelids. Consult a physician for definitive treatment.

Skin: Remove with soap and water. Continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult a physician if irritation continues or if large skin area is affected.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.

5. FIRE FIGHTING MEASURES

- Flash Point:** Propellant <0°F
- Flammable Limits:** LEL - 1.8%; UEL - 9.5%
- Extinguishing Media:** For warehouse and storage conditions, use NFPA Class B extinguishers (CO₂, dry chemical or universal aqueous film forming foam).
- Special Firefighting Procedures:** Use water spray to cool fire exposed aerosol containers for containers can rupture violently from heat developed pressure.
- Unusual Fire and Explosion Hazards:** Contents extremely flammable and under pressure. In addition, when liquid or vapor comes into contact with flames or red hot metal, products of combustion will be created. Firemen should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Containment Procedures:** Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill.
- Spill Cleanup:** Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove all sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.
- Special Instructions:** Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal considerations.
- Reporting Requirements:** Spills due to the rupture of a single aerosol can generally below any regulatory reporting requirements. However, if larger spills somehow result, the reporting requirements of the EPA and other local, state and federal agencies should be observed.

7. HANDLING AND STORAGE

Avoid prolonged or repeated skin contact. Avoid breathing vapors. Store in area below 120°F. Do not incinerate (burn) containers. Assure can is in a secure place to prevent knocking over and accidental rupture. Always replace overcap when not in use. For storage of pallet quantities, compliance with ANSI / NFPA 30B is recommended.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Guideline:** Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing, use the lowest rated ingredient in Section 2.
- Skin Protection:** For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing such as Sol-Vex® gloves or other clothing impervious to the ingredients listed in Section 2.
- Eye Protection:** Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact could occur, chemical splash proof goggles are recommended.
- Respiratory Protection:** Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required an appropriate NIOSH approved respirator for organic vapor should be worn. If respirators are needed, assure compliance with OSHA standard 29 CFR 1910.134.
- Engineering Controls:** General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be needed to control air contamination below that of the lowest TLV / PEL rated ingredient from Section 2.

9. PHYSICAL PROPERTIES

- | | | | |
|--|--------------------------------|--------------------------|---------------|
| Boiling Point: | Propellant < 0°F | Vapor Pressure: | No data |
| Vapor Density(Air=1): | Above 1.0 | Water Solubility: | Negligible |
| Specific Gravity(H₂O=1): | Below 1.0 | Percent Volatile: | 90.0% Wt. Max |
| Appearance & Odor: | Red liquid with a solvent odor | | |

10. STABILITY & REACTIVITY

Stability: Stable

Hazard Polymerization: Will not occur

Conditions to Avoid: Heat, sparks, flame, red hot metal

Incompatibilities: Strong oxidizing materials

Decomposition Products: Oxides of carbon

11. TOXICOLOGICAL INFORMATION

Acute Oral LD50: Petroleum Naphtha >25ml/kg (rat); Isopropyl Alcohol >5g/kg (rat); Butyl Carbitol >7g/kg (rat); Acetone >9g/kg (rat); Methyl Isobutyl Ketone >2g/kg (rat)

Acute Dermal LD50: Petroleum Naphtha >4ml/kg (rabbit); Isopropyl Alcohol >12g/kg (rabbit); Butyl Carbitol >2g/kg (rabbit); Acetone >20g/kg (rabbit); Methyl Isobutyl Ketone >20ml/kg (rabbit)

Acute Inhalation LC50: LPG 57.42% v/v (mice); Petroleum Naphtha >700ppm/4h (rat); Isopropyl Alcohol 12000ppm/8h (rat); Acetone 16000ppm/4h (rat); Methyl Isobutyl Ketone 4000ppm/4h (rat)

12. ECOLOGICAL INFORMATION

This product has not been tested from environmental effects.

13. DISPOSAL

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are not recycled they must be managed under all applicable RCRA and state regulations.

14. TRANSPORTATION

DOT HM-181 INFORMATION

Proper Shipping Name: Consumer Commodity

Hazard Class or Division: ORM-D

Identification No.: None

Packing Group: -

Label(s) Required: none

INTERNATIONAL TRANSPORTATION REGULATIONS

Proper Shipping Name: Aerosols, Flammable NOS

Class or Division: 2.1

Subsidiary Risk: -

Hazard Label(s): Flammable Gas

Packing Group: -

UN or ID Number: UN1950

NATIONAL MOTOR FREIGHT CLASSIFICATION

Item: 50303

Article: Compounds, Cleaning

Class: 55

15. REGULATORY INFORMATION

Toxic Substances Control Act: All of the ingredients in this product are on the TSCA inventory.

SARA TITLE III, Section 313: The following ingredients are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:
Methyl Isobutyl Ketone (6.8%)

Clean Air Act (CAA): The following ingredients appear on the List of Hazardous Air Pollutants (HAP - 42 USC 7412, Title I, Part A, p112): *Methyl Isobutyl Ketone*

Clean Water Act (CWA): The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): *None*

California Proposition 65: The following ingredients appear on the Proposition 65 list(s): *none*

Canadian Workplace Hazardous Materials Information System (WHMIS): The following ingredients are listed: *all*

Material Safety Data Sheet

AC-3

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

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DATE OF PREPARATION: March 12, 1997

1. IDENTIFICATION

Part No. & Description: AC-3 Alumni-Chek Developer 12 oz.

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient, Technical Description</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% Wt.</u>
Acetone	67-64-1	1000 ppm	750 ppm	50-60
Liquefied Petroleum Gas	68476-85-7	1000 ppm	1000 ppm	30-40
Magnesium Silicate Hydrate	14807-96-6	2 mg/m ³	2 mg/m ³	5-10
Light anhydrous Silicic Acid	7631-86-9	10 mg/m ³	10 mg/m ³	<5

3. HEALTH HAZARDS

EMERGENCY OVERVIEW: Contents extremely flammable and under pressure. Store below 120°F, out of sunlight and away from heat sources. Do not puncture or incinerate. Avoid contact with skin and eyes. Vapor harmful. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

HMIS Rating: Health - 1; Fire - 3; Reactivity - 0; Protective Equipment - B

POTENTIAL HEALTH EFFECTS

Eye: Liquid or vapors may cause redness, burning, tearing, swelling and/or pain.

Skin: Frequent or prolonged contact can result in defatting & drying of the skin which may result in skin irritation and dermatitis (rash).

Ingestion: Due to being an aerosol, product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat and gastrointestinal tract, resulting in vomiting and/or cramps.

Inhalation: Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait or confusion.

Medical Conditions Aggravated: Skin contact may aggravate an existing dermatitis. Others unknown.

Carcinogen Data: None of the ingredients in this product are listed with OSHA, IARC or NTP as being carcinogenic.

4. FIRST AID MEASURES

Ingestion: Unlikely due to being in aerosol form. Should actual ingestion occur, do not induce vomiting! Drink a glass of water or milk to dilute. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Eye: Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician for definite treatment.

Skin: Remove with soap and water. continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult of physician if irritation continues or if large skin area is affected.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.

5. FIRE FIGHTING MEASURES

Flash Point: Propellant < 0°F **Flammable limits:** LEL - 1.8% UEL - 9.5%

Extinguishing Media: For warehouse and storage conditions, use NFPA Class B extinguishers (CO₂, dry chemical or universal aqueous film forming foam).

Special Firefighting Procedures: Use water spray to cool fire exposed aerosol containers for containers can rupture violently from heat developed pressure.

Unusual Fire and Explosion Hazards: Contents extremely flammable & under pressure. In addition, when liquid or vapor comes into contact with flames or red hot metal, products of combustion will be created. Firemen should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Containment Procedures: Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content should be contained as any other solvent spill.

Spill Clean-up: Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove all sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.

Special Instructions: Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal considerations.

ACCIDENTAL RELEASE MEASURES CONT...

Reporting Requirements: Spills due to the rupture of a single aerosol can are generally below any regulatory reporting requirements. However, if larger spills somehow result, the reporting requirements of the EPA & other local, state & federal agencies should be observed.

7. HANDLING AND STORAGE

Avoid prolonged or repeated skin contact. Avoid breathing vapors. Store in area below 120°F. Do not incinerate (burn) containers. Assure can is in a secure place to prevent knocking over and accidental rupture. Always replace overcap when not in use. For storage or pallet quantities, compliance with ANSI/NFPA 30B is recommended.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guideline: Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing, use the lowest rated ingredient in Section 2.

Skin Protection: For brief contact, no precaution other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing such as Sol-Vex® gloves or other clothing impervious to the ingredients listed in Section 2.

Eye Protection: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact could occur, chemical splash proof goggles are recommended.

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required an appropriate NIOSH approved respirator for organic vapor should be worn. If respirators are needed, assure compliance with OSHA standard 29 CFR 1910.134.

Engineering Controls: General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be needed to control air contamination below that of the lowest TLV / PEL rated ingredient from Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	Propellant <0°F	Vapor Pressure:	No data	Vapor Density (Air=1):	Above 1.0
Water Solubility:	Negligible	Specific Gravity (H₂O=1):	Below 1.0	Percent Volatile:	90.0% Wt Max
Appearance & Odor:	White powder residue with an acetone odor				

10. STABILITY & REACTIVITY

Stability:	Stable	Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Heat, sparks, flame, red hot metal	Incompatibilities:	Strong oxidizing materials
Decomposition Products:	Oxides of carbon		

11. TOXICOLOGICAL INFORMATION

Acute Oral LD50: Acetone >9g/kg (rat); Silicic Acid >10g/kg (rat)
Acute Dermal LD50: Acetone >20g/kg (rabbit); Silicic Acid >5g/kg (rabbit)
Acute Inhalation LC50: LPG 57.42% v/v (mice); Acetone 16000ppm/4h (rat); Silicic Acid >0.139mg/l/4hr (rat)

12. ECOLOGICAL INFORMATION

This product has not been tested for environmental effects.

13. DISPOSAL CONSIDERATIONS

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are not recycled they must be managed under all applicable RCRA and state regulations.

14. TRANSPORTATION INFORMATION

DOT HM-181 INFORMATION

Proper Shipping Name:	Consumer Commodity	Hazard Class or Division:	ORM-D	Identification No.:	none
Packing Group:	-	Label(s) Required:	none		

INTERNATIONAL TRANSPORTATION REGULATIONS

Proper Shipping Name:	Aerosols, Flammable NOS	Class or Division:	2.1	Subsidiary Risk:	-
Hazard Label(s):	Flammable Gas	Packing Group:-		UN or ID Number:	UN1950

NATIONAL MOTOR FREIGHT CLASSIFICATION

Item:	50303	Article:	Compounds, Cleaning	Class:	55
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15. REGULATORY INFORMATION

Toxic Substances Control Act: All of the ingredients in this product are on the TSCA inventory.

SARA TITLE III, Section 313: The following ingredients are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: *none*

Clean Air Act (CAA): The following ingredients appear on the List of Hazardous Air Pollutants (HAP - 42 USC 7412, Title I, Part A, p112): *none*

Clean Water Act (CWA): The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): *none*

California Proposition 65: The following ingredients appear on the Proposition 65 list(s): *none*

Canadian Workplace Hazardous Materials Information System (WHMIS): The following ingredients are listed: *All*