

Material Safety Data Sheet

Product name: Killer Cans 2K Soft Feel Clear

Product Code: KC-ST

Date: 08/10/07

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product name : Killer Cans
Product code : KC-SC
Product Use Description : Solvent-borne coatings, Primers
Company : Alsa Corporation
2640 East 37th Street
Vernon, CA 90058
Telephone : 1-323-581-5200
Fax : 1-323-589-4400
Emergency telephone number : (800) 535-5053 / (352)323-3500

SECTION 2: HAZARDS IDENTIFICATION

Emergency Overview

Regulatory status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word : DANGER
Form : aerosol
Odour : characteristic
Odour - Control parameters : no data available
Hazard Summary : Flammable.

Irritant
Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C / 122 °F. Flammable Aerosol May cause fire.

Potential Health Effects

Eyes : May cause eye irritation.
Skin : May cause skin irritation.
Target Organs : Skin
Eyes
Central nervous system

Carcinogenicity:

NTP : No component of this product which is present at levels greater than or equal to 0.1 % is identified as a known or anticipated carcinogen by NTP.
IARC : No component of this product which is present at levels greater than or equal to 0.1 % is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA : No component of this product which is present at levels greater than or equal to 0.1 % is identified as a carcinogen or potential carcinogen by OSHA.
CA Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	EINECS-NO	CAS-No.	Cons.
acetone; propan-2-one; propanone	200-662-2	67-64-1	30-40
Propane	200-827-9	74-98-6	15-25
butane	203-448-7	106-97-8	15-25
2-methoxy-1-methylethyl acetate	203-603-9	108-65-6	5-10
Xylene (mixture of isomers)	215-535-7	1330-20-7	2-5
1,6 Hexamethylene diisocyanate	212-485-8	822-06-0	0.2-0.3

SECTION 4: FIRST AID MEASURES

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- General advice : Move out of dangerous area. Never give anything by mouth to an unconscious person. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). When symptoms persist or in all cases of doubt seek medical advice. Take off all contaminated clothing immediately.
- Inhalation : Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
- Skin contact : Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners.
- Eye contact : Remove contact lenses. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
- Ingestion : If a person vomits when lying on his back, place him in the recovery position. Clean mouth with water and drink afterwards plenty of water. Ingest activated charcoal. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: FIRE-FIGHTING MEASURES

- Form : Aerosol
- Flash point : < 0 °C (< 32 °F)
- Ignition temperature : 365 °C (689 °F)
- Lower explosion limit : 1.3%(V)
- Upper explosion limit : 13.1 %(V)
- Suitable extinguishing : Use water spray, alcohol-resistant foam, dry chemical or media carbon dioxide.
- Extinguishing media which : High volume water jet must not be used for safety reasons Specific hazards during fire : Fire will produce dense black smoke containing hazardous fighting combustion products (see heading 10). Do not use a solid water stream as it may scatter and spread fire.
- Special protective : Use personal protective equipment. equipment for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary.
- Further information : Use water spray to cool unopened containers. Exposure to decomposition products may be a hazard to health. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions : Ventilate the area.
Remove all sources of ignition
Avoid inhalation of vapor or mist.
Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Should not be released into the environment.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods for cleaning up : Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.
- | | | |
|---|----------|---------------------------|
| CERCLA Hazardous substances and corresponding RQs | 67-64-1 | 5,000 lbs <i>final RQ</i> |
| | 74-98-6 | 100 lbs <i>final RQ</i> |
| | 106-97-8 | 100 lbs <i>final RQ</i> |

Exclude sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth. Place in a suitable container. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises (by volume): water (45 parts), ethanol or isopropyl alcohol (50 parts), concentrated (d:0,880) ammonia solution (5 parts), water (95 parts). Add the same decontaminant to the remnants and let stand for several days until no container and dispose according to local regulations (see section13).

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Do not allow to enter drains or watercourses.

If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

Handling

- Handling : Do not breathe vapors or spray mist. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits. Limit the stocks at work place. Do not spray on a naked flame or any other incandescent material. Use only in well-ventilated areas. For personal protection see section 8.
- Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Do not smoke. Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors. Electrical equipment should be protected to the appropriate standard.
- Dust explosion class : not applicable

Storage

- Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C / 122 °F. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects. Please observe the storage instructions for aerosols
- Advice on common storage : Keep away from food, drink and animal feeding stuffs. Keep away from oxidizing agents and strongly acid or alkaline materials.
- Storage period : 24 Months
- Storage temperature : 5 - 30 °C (41 - 86 °F)
- Other data : No decomposition if stored and applied as directed.

Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.

Handling:

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentration higher than the occupational exposure limits.

Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing and floors should be of the conducting type. Keep container tightly closed. Precautions should be taken to minimize exposure to atmospheric humidity or water: CO₂ Will be formed which in closed containers can result in pressurization. Care should be taken when re-opening partly used containers. Isolate from sources of heat, sparks and open flame. No sparking tools should be used.

Avoid skin and eye contact. Avoid inhalation of vapor and spray mist. Smoking, eating, and drinking should be prohibited in application area. For personal protection see Section 8.

Never use pressure to empty: container is not a pressure vessel.

Always keep in containers of same material as the original one.

Comply with the health and safety at work laws.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	CAS-No.	List	Type:	Value
acetone; propan-2-one; propanone	67-64-1	ACGIH	TWA	750 ppm
		ACGIH	STEL	1000 ppm
		NIOSH	REL	250 ppm 590 mg/m3
		OSHA Z1	PEL	1,000 ppm 2,400 mg/m3
		OSHA Z1A	TWA	750 ppm 1,800 mg/m3
		OSHA Z1A	STEL	1,000 ppm 2,400 mg/m3
		US CA OEL	TWA PEL	750 ppm 1,780 mg/m3
		US CA OEL	Ceiling	3,000 ppm
		US CA OEL	STEL	1,000 ppm 2,400 mg/m3
propane	74-98-6	ACGIH	TWA	1,000 ppm
		NIOSH	REL	1,000 ppm 1,800 mg/m3

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		OSHA Z1	PEL	1,000 ppm 1,800 mg/m3
		OSHA Z1A	TWA	1,000 ppm 1,800 mg/m3
		US CA OEL	TWA PEL	1,000 ppm 1,800 mg/m3
butane	106-97-8	ACGIH	TWA	1,000 ppm
		NIOSH	REL	800 ppm 1,900 mg/m3
		OSHA Z1	TWA	800 ppm 1,900 mg/m3
		US CA OEL	TWA PEL	800 ppm 1,900 mg/m3
2-methoxy-1-methyl ethyl acetate	108-65-6	ACGIH	STEL/PEL	Not Established
		OSHA	STEL/PEL	Not Established
Xylene (mixture of isomers)	1330-20-7	ACGIH	STEL	150ppm
		ACGIH	PEL	100ppm
1,6 Hexamethylene diisocyanate	822-06-0	ACGIH	STEL	0.02ppm
		ACGIH	PEL	0.005ppm

- Engineering measures : Provide adequate ventilation.
- Eye protection : Safety glasses
- Hand protection : Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
- Skin and body protection : impervious clothing
- Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment. respirator with ABEK filter
- Hygiene measures : Do not inhale aerosol.
When using, do not eat, drink or smoke.
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.
Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Form : Aerosol
- Odor : Characteristic
- Flash point : -4°F
- Ignition temperature : 365 °C (689 °F)
- Thermal decomposition : Heating can release hazardous gases., Fire or intense heat
- Lower explosion limit : 1.3 %(V)
- Upper explosion limit : 13.1 %(V)
- Vapor pressure : 3.6 %(V) at 20 °C (68 °F)
- Density : 0.85 g/cm3 at ca.20 °C (68 °F)
- Volatile : 45.4 %
- Specific Gravity : 0.89

SECTION 10: STABILITY AND REACTIVITY

- Conditions to avoid : Heat, flames and sparks.
- Materials to avoid : Strong acids and strong bases Oxidizing agents
- Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.
- Thermal decomposition : Heating can release hazardous gases. Fire or intense heat may cause violent rupture of packages.
- Hazardous reactions : Vapors may form explosive mixture with air. Note: No decomposition if used as directed.

SECTION 11: TOXICOLOGICAL INFORMATION

- Skin irritation : Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the

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Eye irritation : skin.
The liquid splashed in the eyes may cause irritation and reversible damage. Strong lachrymation can make it difficult to escape.

Carcinogenicity : No data is available on the product itself.

Toxicity to reproduction : No data is available on the product itself.

Teratogenicity : No data is available on the product itself.

Further information : Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Liver and kidney injuries may occur.
Even the smallest quantities that enter into the lung due to swallowing or subsequent vomiting can lead to a pulmonary edema or pneumonia.

Component:

Acetone; propan-2-one; propanone 67-64-1

Acute oral toxicity: LD50 rat
Dose: 5,800 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 20,000 mg/kg

Acute inhalation toxicity: LD50 rat
Dose: 70 mg/l
Exposure time: 4 h

Skin irritation: Classification: Irritating to eyes.
Result: Moderate eye irritation

Propane 74-98-6

Skin irritation: Classification: Irritating to skin.
Result: Skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

2-methoxy-1-methylethyl acetate 108-65-6

Acute oral toxicity: LD50 mouse
Dose: 8,532 mg/kg

Acute dermal toxicity: LD50 rabbit
Dose: 7,500 mg/kg

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

Butane 106-97-8

Skin irritation: Classification: Irritating to skin.
Result: Skin irritation

Eye irritation: Classification: Irritating to eyes.
Result: Mild eye irritation

Xylene 1330-20-7

Skin irritation: Classification: Irritating to skin.
Mild skin irritation

Eye irritation: Classification: Irritating to eyes.
Mild eye irritation

Based on the properties of the isocyanate components and considering toxicological data on similar preparations, this preparation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability.

Exposure to component solvents vapors concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness,

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drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

SECTION 12: ECOLOGICAL INFORMATION

Adsorbed organic bound : not included
Halogens (AOX)
Volatile : 45.4 %
Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

SECTION 13: DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations. Please ensure aerosol cans are sprayed completely empty (including propellant) Containers that have not been emptied in compliance with regulations are regarded as hazardous waste.

SECTION 14: TRANSPORT INFORMATION

DOT 49 CFR

Proper shipping name : AEROSOLS
UN-No. : 1950
Class : 2.1
Packing group :
Emergency Response : 126
Guidebook Number

TDGR

Proper shipping name : AEROSOLS
UN-No. : 1950
Class : 2.1
Packing group :
Emergency Response : 126
Guidebook Number

ICAO / IATA-DGR

UN UN-No. : 1950
Description of the goods : AEROSOLS
Class : 2.1
ICAO-Labels : 2.1
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203
Packing instruction (passenger aircraft) : Y203

IMDG-Code

UN-No. : UN 1950
Description of the goods : AEROSOLS
Class : 2.1
IMDG-Labels : 2.1
EmS Number : F-D S-U
Marine pollution : No

SECTION 15: REGULATORY INFORMATION

The home requirements of the Classification Packaging and Labeling of Dangerous Substances Regulations. The product is labeled as follows:

Danger Classification:
Xn harmful

Contains:
Polyisocyanat

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Isocyanates

R phrases:

12 Extremely Flammable
20/22 Harmful by inhalation and if swallowed
43 May cause sensitization by skin contact

S phrases:

24 Avoid contact with skin.
38 In case of insufficient ventilation wear suitable respiratory equipment
51 Use only in well ventilated areas.
23 Do not breathe vapor.

Other phrases:

91 Contains isocyanates. See information supplied by the manufacturer.

OSHA Hazards

: Flammable Aerosol
Moderate skin irritant
Moderate eye irritant

TSCA Status

: On TSCA Inventory

DSL Status

: All components of this product are on the Canadian DSL list.

SARA 311/312 Hazards

: Fire Hazard
Acute Health Hazard
Reactive Hazard

PENN RTK

US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Components

Acetone; propan-2-one; propanone

CAS-No.

67-64-1

Propane

74-98-6

Butane

106-97-8

MASS RTK

US Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Acetone; propan-2-one; propanone

67-64-1

Propane

74-98-6

Butane

106-97-8

NJ RTK

US New Jersey Worker and Community Right-to-Know Law (New Jersey Statute Annotated Section 34:5A-5)

Acetone; propan-2-one; propanone

67-64-1

Propane

74-98-6

Butane

106-97-8

2-methoxy-1-methylethyl acetate

108-65-6

California Prop. 65: This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects

SECTION 16: OTHER INFORMATION

HMIS Codes:

Health: 2

Flammability: 3

Reactivity: 1

Protection: H

The information of this MSDS is based on the present state of our knowledge and on current federal laws. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product; it is not to be considered as a guarantee of the products' properties.