



# Material Safety Data Sheet

Revision Date 23-Mar-2011

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** P50215  
**Product name** VINYL & PLASTIC CLEANER 13 OZ NW  
**Recommended Use** Cleaner  
**Supplier** Kent Automotive  
6200 Oak Tree Blvd.  
Independence, OH 44131  
(800) 458-3222  
**Emergency telephone number** (888) 426-4851

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**  
Flammable. Irritant.

**Aggravated Medical Conditions**  
None Known.

**Principal Routes of Exposure**  
Inhalation. Eyes. Skin contact.

### Potential health effects

**Eyes** Irritation. Redness. Itching. Burning sensation.

**Skin** Repeated or prolonged exposure may cause: Skin Irritation. Redness. Itching. Burning sensation.

**Inhalation** Repeated or prolonged exposure may cause the following effects. Headaches. Dizziness. Nausea. Upper respiratory tract irritation. Central nervous system effects. Loss of coordination. Extreme overexposure may cause. Possible unconsciousness. Death. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

**Ingestion** May be harmful if swallowed.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane	74-98-6	7-13
Butane	106-97-8	7-13
2-Butoxyethanol	111-76-2	1-5

## 4. FIRST AID MEASURES

**Eye contact** Flush with plenty of water for at least 15 minutes. Seek medical attention.

**Skin contact** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.

**Ingestion** Do not induce vomiting. Immediate medical attention is required.

**Inhalation** Remove from exposure. Restore breathing. Keep warm and quiet. Contact physician if breathing difficulty develops.

## 5. FIRE FIGHTING MEASURES

**Flash point °C** < -17  
**Flash point °F** < 0  
**Method** No information available

**Autoignition temperature °C** No data available  
**Autoignition temperature °F**

**Flammability Limits (% in Air)**  
**Upper** 10.6  
**Lower** 1.1

### Specific Information for Aerosol Products

**Flame extension** Unknown  
**Flashback** Unknown

**Suitable extinguishing media**  
Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.

**Special protective equipment for firefighters**  
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Special Fire-Fighting Procedures**  
Avoid breathing of vapors. Avoid skin and eye contact. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**Specific hazards**  
Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes.

**Fire and Explosion Hazards**

During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Water spray may be ineffective. If water is used, fog nozzles are preferable. Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

**Sensitivity to shock**

No information available.

**Sensitivity to static discharge**

No information available.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Use personal protective equipment.

**Methods for cleaning up**

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material.

**7. HANDLING AND STORAGE**

**Handling**

Keep in a well-ventilated place. Turn off other sources of ignition prior to use and until all vapors have dissipated. Vapors may accumulate readily and may ignite explosively. Remove all sources of ignition. Keep away from open flame. Do not smoke. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Ground and bond containers when transferring material. Contents under pressure. Do not puncture or incinerate. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

**Storage**

Store in temperatures below 120 degrees F.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Butane	800 ppm	-	1000 ppm	-
Propane	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm	-
2-Butoxyethanol	240 mg/m <sup>3</sup> 50 ppm	-	20 ppm	-

**Ventilation and Environmental Controls**

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits. Local: recommended. General: as necessary.

**Hygiene measures**

Wash hands before breaks and immediately after handling the product.

**Other precautions**

Avoid contact with the skin and the eyes.

**Respiratory protection**

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

**Hand Protection**

Gloves are not required in normal use. The following gloves are recommended for prolonged or repeated contact: . Chemical resistant gloves.

**Eye protection**

Wear safety glasses with side shields.

**Skin and body protection**

None necessary under normal conditions

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Aerosol
Color	Colorless
Odor	No information available
Odor Threshold	No information available
pH	7
Specific Gravity	No data available
Vapor pressure	No data available
Vapor density	>Air
Evaporation Rate	>1 (ether = 1)
Water solubility	No data available
VOC Content	13
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	< -18 - 201
Boiling point/range °F	< 0 - 395
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	< -17
Flash point °F	< 0

**10. STABILITY AND REACTIVITY**

**Stability**

Stable.

**Conditions to avoid**

None known.

**Incompatibility**

None.

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**Hazardous Decomposition Products**

Carbon dioxide. Carbon monoxide. Hydrogen chloride.

**Polymerization**

Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Butane 106-97-8	-	-	658 mg/L
Propane 74-98-6	-	-	658 mg/L
2-Butoxyethanol 111-76-2	470 mg/kg	220 mg/kg 2270 mg/kg	2.21 mg/L 450 ppm

**Synergistic Products**

None known

**Specific Hazards**

Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain damage.

**Potential health effects**

<b>Sensitization</b>	None known
<b>Chronic toxicity</b>	None known
<b>Mutagenic effects</b>	None known
<b>Teratogenic effects</b>	None known
<b>Reproductive toxicity</b>	None known
<b>Target Organ Effects</b>	See Section 2
<b>Carcinogenic effects</b>	See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
2-Butoxyethanol	Listed	Not Listed	Not Listed	Not Listed	Not Listed

**12. ECOLOGICAL INFORMATION**

**2-Butoxyethanol**

**Water Flea Data**

*water flea* hEC50 24 (1720 mg/L)

*Daphnia magna* hLC50 24 (1698 - 1940 mg/L)

**Aquatic toxicity**

**13. DISPOSAL CONSIDERATIONS**

**Disposal Information**

As supplied, this product is a RCRA Hazardous Waste. Waste must be tested for ignitability to determine EPA hazardous waste numbers. Do not puncture or incinerate. Depressurize before disposal.

**Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

**14. TRANSPORTATION INFORMATION**

**DOT**

Consumer commodity, ORM-D

**TDG**

UN1950 AEROSOLS, flammable, 2.1

**15. REGULATORY INFORMATION**

**US EPA SARA 313**

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Butane	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
2-Butoxyethanol	Listed	Listed	Not Listed

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Butane	X	X	-	X
Propane	X	X	-	X
2-Butoxyethanol	X	X	-	X

**CPR**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**16. OTHER INFORMATION**

Health - 2  
Flammability - 4  
Physical Hazard - 0

Prepared By

H. Buck, Regulatory Affairs Manager

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.