



Material Safety Data Sheet

Revision Date 21-Feb-2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code KT13401
Product name SANDABLE RED OXIDE PRIMER
Recommended Use Coating
Supplier Kent Automotive
6200 Oak Tree Blvd.
Independence, OH 44131
(800) 458-3222
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Irritant. Extremely flammable.

Color Red

Odor Solvent

Form Aerosol

Aggravated Medical Conditions Reports have associated prolonged overexposure to solvents with permanent brain and nervous system damage.

Principal Routes of Exposure Eyes. Inhalation.

Potential health effects

Eyes Irritation. Swelling.

Skin Skin Irritation.

Inhalation May cause irritation of the nose and throat. Central nervous system effects. Dizziness. Headaches. Fatigue. Exposure to hot fumes may cause nausea and damage to respiratory system.

Ingestion No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Acetone	67-64-1	30-60
Propane	74-98-6	10-30
Toluene	108-88-3	10-30
N-Butane	106-97-8	5-10
Iron Oxide	1309-37-1	1-5
Zinc Distearate, pure	557-05-1	1-5
Mineral Spirits	64742-47-8	0.5-1.5

4. FIRST AID MEASURES

Eye contact	Remove to fresh air. Rinse thoroughly with plenty of water, also under the eyelids. Seek medical attention if irritation persists.
Skin contact	Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use.
Ingestion	Call a physician or Poison Control Center immediately.
Inhalation	Move to fresh air. If symptoms persist, call a physician.

5. FIRE FIGHTING MEASURES

Flash point °C	-19
Flash point °F	-2
Method	No information available

Autoignition temperature °C	No data available
Autoignition temperature °F	

Flammability Limits (% in Air)	
Upper	13.0
Lower	1.2

Specific Information for Aerosol Products

Flame extension	15"
Flashback	None

Suitable extinguishing media

Carbon dioxide (CO₂). Water spray. alcohol-resistant foam. Sand.

Extinguishing media which must NOT be used for safety reasons

No information available.

Special Fire-Fighting Procedures

None known.

Fire and Explosion Hazards

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

Methods for cleaning up

Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Evacuate area of unprotected and unnecessary personnel. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Do not flush with water or aqueous cleansing agents. Use diluted caustic solution. Soak up with inert absorbent material. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Handling

Do not smoke. Protect against electrostatic charges. Do not spray on a naked flame or any other incandescent material.

Storage

Small pressurized containers of flammable product may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources, and ventilation except that they should not be stored in basements. Keep away from heat. Keep away from direct sunlight. Do not freeze.

NFPA Storage Code

Store as Level 3 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm listed under aliphatic hydrocarbon gases alkane C1-C4	-
Toluene	200 ppm	300 ppm	50 ppm	-
N-Butane	-	-	1000 ppm listed under aliphatic hydrocarbon gases alkane C1-C4	-
Iron Oxide	10 mg/m ³	-	1 mg/m ³ as Fe 5 mg/m ³ dust and fume, as Fe	-
Zinc Distearate, pure	15 mg/m ³ total dust 5 mg/m ³ respirable fraction	-	10 mg/m ³ does not include stearates of toxic metals	-
Mineral Spirits	-	-	-	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Hygiene measures

Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Respiratory protection

None necessary under normal conditions. Use NIOSH approved respirator if TLV limit is exceeded.

Hand protection

Protective gloves. Impervious gloves.

Eye protection

Tightly fitting safety goggles.

Skin and body protection

No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	Color	Red
Odor	Solvent	Odor Threshold	No information available
pH	No data available	Specific Gravity	0.77-0.90
Vapor pressure	No data available	Vapor density	No data available
Evaporation Rate	No data available	VOC Content	42.8 %
Water solubility	No data available	Partition Coefficient (n-octanol/water)	No data available
		Boiling point/range °C	-44
Boiling point/range °F	-47	Melting point/range °C	No data available
Melting point/range °F	No data available	Flash point °C	-19
Flash point °F	-2		

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Do not store in temperatures above 120 degrees F.

Materials to avoid

No information available

Hazardous decomposition products

None known.

Polymerization

No information available

Synergistic Products

No information available.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
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<i>Acetone</i> 67-64-1	5800 mg/kg	-	44 g/m ³ 50100 mg/m ³
<i>Propane</i> 74-98-6	-	-	-
<i>Toluene</i> 108-88-3	636 mg/kg	14100 µL/kg	400 mg/kg 49 g/m ³
<i>N-Butane</i> 106-97-8	-	-	658 g/m ³ 680 g/m ³
<i>Iron Oxide</i> 1309-37-1	30 g/kg	-	-
<i>Zinc Distearate, pure</i> 557-05-1	10 g/kg	-	-
<i>Mineral Spirits</i> 64742-47-8	-	-	-

Potential health effects**Sensitization**

No information available.

Mutagenic effects

No information available.

Reproductive toxicity

No information available

Carcinogenic effects

See table below

Chronic toxicity

No information available.

Teratogenic effects

No information available

Target Organ Effects

No information available

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Acetone	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-
Propane	-	-	-	-	-
Toluene	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-
N-Butane	-	-	-	-	-
Iron Oxide	A4 - Not Classifiable as a Human Carcinogen (dust and fume, as Fe)	-	-	-	-
Zinc Distearate, pure	A4 - Not Classifiable as a Human Carcinogen (does not include stearates of toxic metals)	-	-	-	-
Mineral Spirits	-	-	-	-	-

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Acetone

Water Flea Data

water flea LC50=0.0039 mg/L (48 h)

water flea EC50=12700 mg/L (48 h)

Toluene

Microtox Data

Photobacterium phosphoreum EC50=19.7 mg/L (30 min)

Water Flea Data

water flea EC50=11.3 mg/L (48 h)

water flea EC50=310 mg/L (48 h)

Zinc Distearate, pure

Water Flea Data

water flea LC50=5 µg/L (72 h)

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations. Do not puncture or incinerate. Please recycle empty container whenever possible.

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14. TRANSPORT INFORMATION

DOT

Consumer commodity (Xylenes (isomers and mixture),Acetone),ORM-D,,RQ

TDG

AEROSOLS(Acetone,Propane), Class 2.1,UN1950,PG

IMDG/IMO

Aerosols(Acetone,Propane),UN1950,PG

IATA

Aerosols, flammable(Acetone,Propane),UN1950
Hazard Class 2.1

MEX

UN1950 Aerosols(Acetone,Propane),2.2,

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Toluene	Listed
Zinc Distearate, pure	Listed
	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
Toluene	Listed	Listed	Developmental
N-Butane	Not Listed	Listed	Not Listed
Iron Oxide	Not Listed	Listed	Not Listed
		Listed	
Zinc Distearate, pure	Not Listed	Listed	Not Listed
Mineral Spirits	Not Listed	Not Listed	Not Listed

International Inventories

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Chemical Name	EINECS	DSL	NDSL	TSCA
Acetone	X	X	-	X
Propane	X	X	-	X
Toluene	X	X	-	X
N-Butane	X	X	-	X
Iron Oxide	X	X	-	X
Zinc Distearate, pure	X	X	-	X
Mineral Spirits	X	X	-	X

CPRC

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

NFPA		HMIS	
Health	1	Health	1
Flammability	4	Flammability	4
Reactivity	3	Physical Hazard	3

Reason for revision No information available.

Prepared By T. Heidorn, MSDS Project Lead

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.