

MATERIAL SAFETY DATA SHEET

Painters Pride Z82 Zero VOC Fast Urethane Reducer

BLEND 16013230

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

MANUFACTURER'S NAME:

Cumberland Products Inc.

ADDRESS:

50 Commerce Parkway
Hodgenville, KY 42748

EMERGENCY PHONE : (800) 424 - 9300

INFORMATION PHONE : (800) 223-1918

FAX NUMBER : (800) 500 - 9812

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, clear

DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. MAY CAUSE EYE IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.

Potential Health Effects

Exposure routes

Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

Eye contact

Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin contact

May cause mild skin irritation. Symptoms may include redness and burning of skin. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

Ingestion

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful. This material can get into the lungs during swallowing or vomiting. This results in lung inflammation and other lung injury.

Inhalation

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: Skin, lung (for example, asthma-like conditions), blood-forming system

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, high blood sugar, coma

Target Organs

This material (or a component) shortens the time of onset or worsens the liver and kidney damage induced by other chemicals. Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals: blood abnormalities, kidney damage, liver damage

Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA).

Reproductive hazard

This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No.	Concentration
ACETONE	67-64-1	>=70-<80%
PARACHLOROBENZOTRIFLUORIDE (PCBTF)	98-56-6	>=20-<30%

4. FIRST AID MEASURES

Eyes

If symptoms develop, immediately move individual away from exposure and into fresh air.

Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

Hazards: This material (or a component) has produced hyperglycemia and ketosis following substantial ingestion. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 2 - Swallowing) when deciding whether to induce vomiting.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, Carbon dioxide (CO₂), Water spray

Hazardous combustion products

carbon dioxide and carbon monoxide, chlorine compounds, fluoride compounds, Hydrocarbons

Precautions for fire-fighting

Material is volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, flames, sparks, heaters, smoking, electric motors, static discharge or other ignition sources at locations near the material handling point. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). Water may be ineffective for extinguishment unless used under favorable conditions by experienced fire fighters. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Ensure adequate ventilation. Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

Environmental precautions

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Other information

Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapors/mists with a water spray jet.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel and equipment before transfer or use of material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.

Storage

Store in a cool, dry, ventilated area, away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

ACETONE		67-64-1
ACGIH	time weighted average	500 ppm
ACGIH	Short term exposure limit	750 ppm
	NIOSH Recommended exposure limit (REL):	250 ppm
	NIOSH Recommended exposure limit (REL):	590 mg/m3
OSHA Z1	Permissible exposure limit	1,000 ppm
OSHA Z1	Permissible exposure limit	2,400 mg/m3

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor or mist.

Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.

Wear resistant gloves (consult your safety equipment supplier).

Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	liquid
Color	Water clear
Boiling point/boiling range	132.89° F / 56.05° C @ 1,013.25 hPa Calculated Phase Transition Liquid/Gas
Flash Point	(>=)-4°F / -20°C
Ignition temperature	no data available
Evaporation rate	no data available
Lower explosion limit/Upper explosion limit	0.9%(V) / 12.8%(V) Calculated Explosion Limit
Vapour pressure	307.969 hPa @ 77 °F / 25 °C Calculated Vapor Pressure
Density	0.901 g/cm3 @ 68 °F / 20 °C 7.5 lb/gal @ 68 °F / 20 °C

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Avoid heat, open flame, and prolonged storage at elevated temperatures., temperature extremes

Incompatible products

Acids, alkalis, Amines, Ammonia, halogens, peroxides, Reducing agents, strong bases, Strong oxidizing agents

Hazardous decomposition products

carbon dioxide and carbon monoxide, chlorine compounds, fluoride compounds, Hydrocarbons

Hazardous reactions

Product will not undergo hazardous polymerization.

Thermal decomposition No

data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

ACETONE : LD 50 Rat: 5,800 mg/kg

PARACHLOROBENZOTRIFLUORIDE (PCBTF) : LD 50 Rat: > 6.8 g/kg

Acute inhalation toxicity

ACETONE : LC 50 Rat: > 16000 ppm; 4 h

PARACHLOROBENZOTRIFLUORIDE (PCBTF) : LC 50 Rat: 4479 ppm; 4 h

Acute dermal toxicity

ACETONE : LD 50 Rabbit: > 20,000 mg/kg

PARACHLOROBENZOTRIFLUORIDE (PCBTF) : LD 50 Rabbit: (>) 2.7 g/kg

12. ECOLOGICAL INFORMATION

Biodegradability

PRODUCT : no data available

Bioaccumulation

PRODUCT : no data available

Ecotoxicity effects

Toxicity to fish

PARACHLOROBENZOTRIFLUORIDE (PCBTF) : no data available

ACETONE : 96 h static test LC 50 Rainbow trout,donaldson trout
 (Oncorhynchus mykiss): 4,740.00 - 6,330.00 mg/l
 96 h static test LC 50 Bluegill (Lepomis macrochirus): 8,300.00 mg/l
 96 h flow-through test LC 50 Fathead minnow
 (Pimephales promelas): 8,733.00 - 9,482.00 mg/l

Toxicity to daphnia and other aquatic invertebrates.

PRODUCT : no data available

Toxicity to algae

PRODUCT : no data available

Toxicity to bacteria

PRODUCT : no data available

Biochemical Oxygen Demand (BOD)

PRODUCT : no data available

Chemical Oxygen Demand (COD)

PRODUCT : no data available

Additional ecological information

PRODUCT : no data available

12. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations.

13. TRANSPORT INFORMATION

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
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U.S. DOT - ROAD

UN 1263	Paint Related Materials	3		II	
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U.S. DOT - RAIL

UN 1263	Paint Related Materials	3		II	
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U.S. DOT - INLAND WATERWAYS

UN 1263	Paint Related Materials	3		II	
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TRANSPORT CANADA - ROAD

UN 1263	Paint Related Materials	3		II	
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TRANSPORT CANADA - RAIL

UN 1263	Paint Related Materials	3		II	
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TRANSPORT CANADA - INLAND WATERWAYS

UN 1263	Paint Related Materials.	3		II	
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INTERNATIONAL MARITIME DANGEROUS GOODS

UN 1263	Paint Related Materials	3		II	
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INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

UN 1263	Paint Related Materials	3		II	
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INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN 1263	Paint Related Materials	3		II	
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MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

UN 1268	PRODUCTOS DE PETROLEO N.E.P., 3			II	
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***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

California Prop. 65

WARNING! This product contains a chemical known to the State of California to cause cancer.

BENZENE

WARNING! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

BENZENE

SARA Hazard Classification

Fire Hazard

Acute Health Hazard

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

New Jersey RTK Label Information

ACETONE 67-64-1

PARACHLOROBENZOTRIFLUORIDE (PCBTF) 98-56-6

Pennsylvania RTK Label Information

ACETONE 67-64-1

PARACHLOROBENZOTRIFLUORIDE (PCBTF) 98-56-6

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Notification status

EU. EINECS y (positive listing)
 US. Toxic Substances Control Act y (positive listing)
 Australia. Industrial Chemical (Notification and Assessment) Act y (positive listing)
 Canada. Canadian Environmental Protection Act (CEPA).
 Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133) y (positive listing)
 Japan. Kashin-Hou Law List y (positive listing)
 Korea. Toxic Chemical Control Law (TCCL) List y (positive listing)
 Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act y (positive listing)
 China. Inventory of Existing Chemical Substances y (positive listing)

Reportable quantity - Product

US. EPA CERCLA Hazardous Substances (40 CFR 302) 6383 lbs

Reportable quantity-Components

ACETONE 67-64-1 5000 lbs

	HMIS	NFPA
Health	2	2
Flammability	3	3
Physical hazards	0	
Instability		0
Specific Hazard	--	--

16. OTHER INFORMATION

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