

C.O.S.H.H.  
MATERIAL SAFETY DATA SHEET  
PERMASEAL TIRE SEALANT  
HARMONIZED TARIFF #3214101000

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

CHEMICAL NAME: PermaSeal

SYNONYMS, TRADE NAMES: PermaSeal Tire Sealant

MANUFACTURER: KCK International, Inc. dba  
PermaSeal Tire Sealant  
2275 South Grand Avenue  
Santa Ana, CA 92705

DATE PREPARED: 06/21/09

EMERGENCY TELEPHONE# (714) 545-5888

2. COMPOSITION/INFORMATION ON INGREDIENTS

CLASSIFICATION: Non-Hazardous

DESCRIPTION: PermaSeal is a non-toxic aqueous propylene glycol based solution. Comprising of rust inhibitors, and gums held in suspension.

PHYSICAL PROPERTIES: Appearance: is a black, highly viscous liquid.  
Density: Approximately 1.03  
Viscosity: Approximately 3000cps.  
pH level: Approximately 8.5

3. HAZARDS IDENTIFICATION

FLAMMABILITY: Non-flammable

EYES: May cause irritation to the eyes.

SKIN: May cause irritation to the skin with prolonged contact.

INHALATION: N/A

INGESTION: May be irritant in contact with the digestive tract.

#### 4. FIRST – AID MEASURES

EYES:	Wash with copious amounts of water.
SKIN:	Wash from skin with soap and water.
INGESTION:	Drink large amounts of water and seek medical attention.

5. FIRE FIGHTING MEASURES                      Non – flammable

#### 6. ACCIDENTAL RELEASE MEASURES

SPILL CLEANUP METHODS:                      Small quantities should be diluted with large amounts of water and run to waste. Large quantities should be disposed of in accordance with the Environmental Act of 1990.

EXTINGUISHING MEDIA:	Non-flammable
EXPOSURE HAZARDS:	N/A
COMBUSTION RISKS:	None
RESULTING CASES:	None
SPECIAL PROTECTION EQUIPMENT:	None
VENTILATION PRECAUTIONS:	None
DUST:	None
RESPIRATORY PROTECTION:	Confined space, Yes Open space, No
PREVENTION OF EYE & SKIN CONTACT	If possible, Yes
METHOD OF CLEANING	Water: Yes
DISPERSED TO DRAINS:	Dilute with Water: Yes

“CAUTION”    On no account must any other material be used to disperse or dilute this product other than Water.

## 7. HANDLING AND STORAGE

TRANSPORT REGULATIONS:	Non-hazardous.
USAGE PRECAUTIONS:	Non-flammable and non-toxic.
HANDLING:	No special training required.
STORAGE:	Store at ambient temperatures.
VENTILATION:	Confined spaces: Yes
CONTAINERS:	Keep out of damp environments and direct sunlight.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

WEIGHT:	Caution must be taken at all times when moving/lifting heavy objects. Safety footwear is recommended.
WORKING EXPOSURE:	8 hours daily (normal). 12 hours daily (maximum).
CLOTHING:	Change/wash regular.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Black thixotropic liquid
ODOR:	Odor is perceptible – only in container headspace
pH:	Approximately 8.5
BOILING POINT:	125 degrees Centigrade
MELTING POINT:	N/A
FLASH POINT:	N/A
EXPLOSIVE PROPERTIES:	N/A

VAPOR PRESSURE:	N/A
OXIDISING PROPERTIES:	None
RELATIVE DENSITY:	Approximately 1.03
SOLUBILITY:	Water soluble

## 10. STABILITY AND REACTIVITY

STABILITY:	No Risk
REACTIVITY:	None
REACTION:	PermaSeal will biodegrade commencing approximately 6 hours on release to the atmosphere and complete in 4 days. The result being a fine blueish white powder.
RESULT:	NO RISK IN ANY FORM. No degradation to unstable product. No possibility of hazardous exothermic reaction. No stabilizers are required.

## 11. TOXICOLOGICAL INFORMATION

See Sections 4, 7, and 8

## 12. ECOLOGICAL INFORMATION

PRODUCT:	PermaSeal will have no damaging effect on the Ecology.
MOBILITY:	Worldwide Distribution.
SURFACE TENSION:	3000 psi (tested)
ABSORPTION/DESORPTION:	N/A
PHYSICAL PROPERTIES:	When ambient, PermaSeal is stable in high viscosity range – as temperature increases viscosity decreases, returning to high viscosity as tire temperature decreases. PermaSeal coats the inner surface of the tire and remains so, next to no pooling in the base of tire.

DEGRADABILITY:	Biotic degradation occurs only with spillage or out of container.
AQUATIC ORGANISMS:	None
SOIL ORGANISMS:	None
PLANTS AND ANIMALS	None
OZONE DEPLETION	None
PHOTOCHEMICAL OZONE CREATION:	None
GLOBAL WARMING POTENTIAL:	None
EFFECTS ON WASTE WATER:	None

### 13. DISPOSAL CONSIDERATIONS

Contaminated packaging can be disposed of by, to, incineration, etc. Large amounts should be disposed of in accordance with the Environmental Protection Act of 1990.

### 14. TRANSPORT INFORMATION

CLASSIFICATION: Complies with the Carriage of Dangerous Goods by Air, Road and Rail Packaging and Labeling Regulations 2004. Also complies with the DTI's U.S., British and European Standards.