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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: FORD MOTORCRAFT ZC-30 SILICONE GASKET REMOVER 5OZ
Item No: 80640
Product Type: Cleaner

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | Weight Percent | ACGIH TLV: | OSHA PEL: |
|--|----------------|---------------------------|---|
| DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 64742-47-8 | 40-60 | Not Listed | 100 ppm TWA |
| HEPTANE 142-82-5 | 30-50 | 400 ppm TWA; 500 ppm STEL | 500 ppm TWA; 2000 mg/m ³ TWA |
| DODECYLBENZENE SULFONIC ACID 27176-87-0 | 1-10 | Not Listed | Not Listed |
| BUTYLATED HYDROXY TOLUENE 128-37-0 | 0.1-1.0 | 2 mg/m ³ TWA | 10 mg/m ³ TWA |
| SULPHURIC ACID 7664-93-9 | 0.1-1.0 | 1 mg/m ³ TWA | 1 mg/m ³ TWA |

3. HAZARDS IDENTIFICATION

Toxicity:

May cause eye, skin and respiratory irritation. High concentrations may cause central nervous system (CNS) depression. Aspiration hazard if swallowed. Harmful if absorbed through the skin. Long term exposure to high concentrations of vapor may cause lung, liver or kidney damage. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as "solvent" or "painter's syndrome"). Symptoms include fatigue, concentration difficulties, anxiety, depression, rapid mood swings, and short-term memory loss.

Primary Routes of Entry:

Signs and Symptoms of Exposure:

Eye and skin contact, ingestion, inhalation. Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Inhalation may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. Overexposure may cause eye and skin redness, difficulty breathing and vomiting.

| Ingredient | Weight Percent | NTP | ACGIH Carcinogens | IARC |
|------------------------------------|----------------|---------|---|--|
| BUTYLATED HYDROXY TOLUENE 128-37-0 | 0.1-1.0 | Group 2 | A4 - not classifiable | Group 3 Vol 40 Supp 7, pg 59; 1987; Monograph 40, 1986 |
| SULPHURIC ACID 7664-93-9 | 0.1-1.0 | | (contained in strong inorganic acid mists): A2 - Suspected Human Carcinogen | Monograph 54; 1992 |

Medical Conditions Recognized as Being Aggravated by Exposure:

Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product

4. FIRST AID MEASURES

Ingestion:

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:

Move to fresh air in case of accidental inhalation of vapors. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact:

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C):

Recommended Extinguishing Media:

Special Fire-Fighting Procedures:

Hazardous Products of Combustion:

Unusual Fire/Explosion Hazards:

Lower Explosive Limit:

Upper Explosive Limit:

15°F Method: Estimate (based on Heptane)

Carbon Dioxide, Dry Chemicals, Foam.

Firefighters should wear self-contained breathing apparatus. Use water to cool exposed containers. Water stream directed into fire may cause frothing with subsequent spread of flame.

Oxides of carbon, Irritating vapors

Dense smoke may be generated while burning. Closed containers may rupture or explode when exposed to extreme heat

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:

Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Clean up spills thoroughly as residue is slippery.

7. HANDLING AND STORAGE

Storage:

Handling:

Store away from heat, sparks or open flame. Do not store at temperatures above 120 degrees F..

Avoid prolonged skin contact. Keep away from eyes. Use in a well ventilated area to prevent irritation by vapors. Do not use near heat, sparks or open flame. Keep containers tightly closed when not in use. Product may cause surfaces to become slippery. Wash hands and face after handling this compound.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:

Safety glasses.

Skin:

Rubber or plastic gloves. Long sleeves and long pants.

Ventilation:

General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Respiratory Protection:

An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Amber gel

Odor:

SOLVENT

Boiling Point:

200 to 550°F

pH:

Does not apply

Solubility in Water:

Insoluble

Specific Gravity:

0.79

VOC Content(Wt.%):

34%

Vapor Pressure:

Not Determined

Vapor Density (Air=1):

Not Determined

Evaporation Rate:

Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable at normal conditions

Hazardous Polymerization:

Will not occur

Incompatibilities:

Strong oxidizers, acids, alkalines

Conditions to Avoid:

Heat

Hazardous Products of Combustion:

Oxides of carbon, Irritating vapors

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.

US EPA Waste Number: D002 as per 40CFR 261.22 D005

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Consumer Commodity (not more than one liter)
Hazard Class: ORM-D
UN/ID Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Flammable liquids, corrosive, n.o.s., (Heptane, Dodecylbenzenesulfonic acid), Limited Quantity
Class or Division: Class 3, PG II, Subsidiary Risk 8
UN/NA Number: UN2924

IMDG

Proper Shipping: Flammable liquids, corrosive, n.o.s., (Heptane, Dodecylbenzenesulfonic acid), Limited Quantity
Hazard Class: Class 3, PG II, Subsidiary Risk 8
UN Number: UN 2924

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

NONE

CALIFORNIA PROP 65:

No California Prop 65 chemicals are known to be present.

TSCA Inventory Status:

Listed on Inventory: **YES** All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 3 , REACTIVITY 1
Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0
NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Denise Boyd, Health and Safety Manager **Revision Date:** 04/11/2006
Company: Permatex. Inc. 10 Columbus Blvd. Hartford, CT USA 06106 **Revision** 3
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