

HOWZE-DEAL ENVIROMNENTAL CORP -- CALIBRATION FLUID -- 6850-00-656-0810

===== Product Identification =====

Product ID:CALIBRATION FLUID

MSDS Date:07/26/1982

FSC:6850

NIIN:00-656-0810

MSDS Number: BFJZQ

=== Responsible Party ===

Company Name:HOWZE-DEAL ENVIROMNENTAL CORP

Address:4020 COTTAGE GROVE AVE SE

Box:429

City:CEDAR RAPIDS

State:IA

ZIP:52403

Country:US

Info Phone Num:319-362-6468

Emergency Ph

one Num:319-362-6468

Preparer's Name:ROBERT W HAUGEN

CAGE:0Z2Y3

=== Contractor Identification ===

Company Name:HOWELL HYDROCARBONS, INC.

Address:7811 S PRESA

Box:City:SAN ANTONIO

State:TX

ZIP:78223-9206

Country:US

Phone:512-533-2542/512-533-8111

CAGE:8A906

Company Name:HOWZE-DEAL ENVIROMNENTAL CORP

Address:4020 COTTAGE GROVE AVE SE

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ZIP:52403

Country:US

CAGE:0Z2Y3

===== Composition/Information on Ingredients =====

Ingred Name:PETROLEUM HYDROC

# ARBONS

Ingred Name:AROMATIC HYDROCARBONS

Fraction by Wt: 7.5-8%

## ===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION: DIZZINESS, HEADACHES TO UNCONSCIOUSNESS. SKIN: DRY, DEFAT LEADING TO IRRITATION & DERMATITIS.

Explanation of Carcinogenicity:NONE

## ===== First Aid Measures =====

Fi

rst Aid:INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS IRREGULAR OR STOPPED, START RESUSCITATION, ADMINISTER OXYGEN. INGESTION: DON'T INDUCE VOMITING. SKIN: WASH W/SOAP & WATER. EYES: FLUSH W/WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

## ===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:103F

Lower Limits:1%

Upper Limits:6%

Extinguishing Media:FOAM, DRY CHEMICAL, CO2, WATER SPRAY OR FOG.

Fire Fighting Procedures:USE AIR-SUPPLI  
ED RESCUE EQUIPMENT FOR ENCLOSED  
AREAS.

Unusual Fire/Explosion Hazard:DO NOT STORE OR MIX WITH STRONG OXIDANTS.  
COMBUSTIBLE LIQUID.

## ===== Accidental Release Measures =====

Spill Release Procedures:REMOVE ALL IGNITION SOURCES. KEEP PEOPLE AWAY,  
RECOVER FREE LIQUID, ADD ABSORBENTS TO SPILL AREAS. VENTILATE  
ENCLOSED SPACES. OPEN ALL WINDOWS & DOORS. KEEP PETROLEUM PRODUCTS  
OUT OF PUBLIC SEWERS, ST REAMS & WATERWAYS.

## ===== Handling

and Storage =====

Handling and Storage Precautions:KEEP CONTAINERS CLOSED. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. USE ONLY W/ADEQUATE VENTILATION. NO SMOKING OR OPEN LIGHTS.

Other Precautions:AVOID BREATHING VAPORS, AVOID PROLONGED OR REPEATED CONTACT WITH SKIN.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:HYDROCARBON VAPOR CANISTER OR SUPPLIED-AIR HOSE MASK, IF NEEDED.

Ventilation:LOCAL EXHAUST: FACE VELOCITY 60 FPM. MECHANICAL: EXPLOSION PROOF VENTILATION EQUIPMENT.

Protective Gloves:CHEMICAL RESISTANT

Other Protective Equipment:HYDROCARBON INSOLUBLE APRON IF NEEDED.

Work Hygienic Practices:REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

PRODUCT WAS DISCONTINUED IN 1984.

===== Physical/Chemical Properties =====

HCC:F4

Boiling Pt:B.P. Text:310-390F

Vapor Pres:10

Vapor Density:5

Spec Gravity:0.77

Evaporation Rate & Reference

:(N-BU AC = 1): 0.2

Solubility in Water:NEGLIGIBLE

Appearance and Odor:WATER WHITE LIQUID; MINERAL SPIRITS ODOR.

Percent Volatiles by Volume:99.3%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDANTS LIKE LIQUID CHLORINE & CONCENTRATED OXYGEN.

Stability Condition to Avoid:HEAT, SPARKS & OPEN FLAME.

Hazardous Decomposition Products:CO IN THE CASE OF INCOMPLETE COMBUSTION.

===== Disposal Considerations

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Waste Disposal Methods:DISPOSE OF WASTE BY SUPERVISED INCINERATION OR  
IN A CHEMICAL DISPOSAL AREA IN COMPLIANCE WITH LOCAL REGULATIONS.

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