

ABSOLUTE STANDARDS INC -- BENZENE, 9156 -- 6810-00-978-1878

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Product Identification  
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Product ID: BENZENE, 9156

MSDS Date: 11/02/1992

FSC: 6810

NIIN: 00-978-1878

MSDS Number: BRQFH

=== Responsible Party ===

Company Name: ABSOLUTE STANDARDS INC

Address: 498 RUSSELL ST

City: NEW HAVEN

State: CT

ZIP: 06513

Country: US

Info Phone Num: 800-368-1131

Emergency Phone Num: 800-368-1131

CAGE: 0TZV1

=== Contr

actor Identification ===

Company Name: ABSOLUTE STANDARDS INC

Address: 44 ROSSOTTO DR

Box: 5585

City: HAMDEN

State: CT

ZIP: 06518

Country: US

Phone: 203-281-2917

CAGE: 0TZV1

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Composition/Information on Ingredients  
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Ingred Name: BENZENE (SARA III)

CAS: 71-43-2

RTECS #: CY1400000

Fraction by Wt: 99-100%

OSHA PEL: 10 PPM

ACGIH TLV: 10 PPM

EPA Rpt Qty: 10 LBS

DOT Rpt Qty: 10 LBS

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Hazards Identification  
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LD50 LC50 Mixture: LD50:(ORAL RAT)489

4 MG/KG.

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:INHALATION MAY CAUSE HEADACHE, NAUSEA, VOMITING, DIZZINESS, NARCOSIS, SUFFOCATION, LOWER BLOOD PRESSURE, CENTRAL NERVOUS SYSTEM DEPRESSION. INHALATION OF VAPORS MAY CAUSE SEVERE IRRITATION OR BURNS OF RESPIRATORY SYSTEM, PULMONARY EDEMA, OR LUNG INFLAMMATION. CONTACT WITH SKIN OR EYES MAY CAUSE IRRIT. (EFTS OF OVEREXP)

Ex

planation of Carcinogenicity:BENZENE:GRP1(IARC VOL SUPP 7,P.120,'87); CARCIN(NTP 6'TH ANN RPT ON CARCIN,'91)OSHA REGULATD,29 CFR 1910.1028,J-1 02,92.

Effects of Overexposure:HLTH HAZ:PRLNGD SKIN CNTCT MAY RSLT IN DERM. EYE CNTCT MAY RSLT IN TEMPORARY CORNEAL DMG. INGEST MAY CAUSE HDCH, NAUS, VOMIT, DIZZ, GI IRRIT, BLURRED VISION, & LOW BLOOD PRESS. IRREVERSIBLE INJURY TO BLOOD FORMING TISS MAY RSLT FROM CHRONIC EXPOS. TARGET ORGANS:BLOOD, CNS, EYES, SKIN, BONE MARROW, RE SP SYS, LUNGS.

Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

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

First Aid:INGEST:DO NOT INDUCE VOMITING. INHAL:REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 M INUTES.

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

Flash Point Method:CC

Flash Point:12F,-11C

Lower Limits

:1.3%

Upper Limits:8%

Extinguishing Media:USE ALCOHOL FOAM, DRY CHEMICAL OR CARBON DIOXIDE. WATER MAY BE INEFFECTIVE.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROT EQUIP. MOVE CNTNRS FROM FIRE AREA IF IT CAN BE DONE W/OUT RISK. USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL.

Unusual Fire/Explosion Hazard:VAPORS MAY FLOW ALONG SURFS TO DISTANT IGNIT SOURCES & FLASH BACK. CLOSED CONTAINERS EXPOSED TO HEAT MAY EXPLODE. CONTACT WITH STRONG OXIDIZERS MAY CAUSE

FIRE.

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

Spill Release Procedures:WEAR NIOSH/MSHA APPROVED SCBA & FULL PROT  
CLTHG. SHUT OFF IGNIT SOURCES; NO FLARES, SMKNG OR FLAMES IN AREA.  
STOP LEAK IF YOU CAN DO SO W/OUT RISK. USE WATER SPRAY TO REDUCE  
VAPS. TAKE UP W/SAND OR OT HER NON-COMBUST ABSORB MATL & PLACE IN  
(SUPDAT)

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and

Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE

IN A COOL, DRY, WELL-VENTILATED, FLAMMABLE LIQUID STORAGE AREA.

Other Precautions:GROUND CONTAINERS WHEN TRANSFERRING LIQUID TO AVOID  
SPARKS.

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

Respiratory Protection:NIOSH/MSHA APPROVED RESPIRATORY PROTECTION  
REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT CONCENTRATIONS  
UP TO 10 PPM, A NIOSH/MSHA APPROVED SCBA IS ADVISED.

Ventilation:USE GENERAL OR LO  
CAL EXHAUST VENTILATION TO MEET TLV  
REQUIREMENTS.

Protective Gloves:POLYVINYL ALCOHOL GLOVES.

Eye Protection:CHEM WORK GOGG & FULL LNGTH FSHLD

Other Protective Equipment:UNIFORMS AND PROTECTIVE SUITS.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

SPILL PROC:CONTAINER FOR FURTHER DISOPSAL. FLUSH AREA WITH WATER.

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

Boiling Pt:B.P. Text:176F,80C

Melt/Freeze Pt:M.P/F.P Text:42.8F,6.0C

V

apor Pres:74.6

Vapor Density:2.77

Spec Gravity:0.88 (H\*2O=1)

Solubility in Water:NEGLIGIBLE (