

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

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

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

=== Contract

or 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

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

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

===== Hazards Identification =====

LD50 LC50 Mixture:LD50:(ORAL RAT)4894 M

G/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)
Expla
nation 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, RESP
SYS,
LUNGS.
Medical Cond Aggravated by Exposure:NONE IDENTIFIED.

===== 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.

===== 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 FI

RE.

===== 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 St
orage 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 LOCAL
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
Vapo
r Pres:74.6
Vapor Density:2.77
Spec Gravity:0.88 (H*2O=1)
Solubility in Water:NEGLIGIBLE (