

ALLIED ENTERPRISES, INC. -- IMPACT CONCENTRATED HEAVY DUTY INDUSTRIAL DEGREASER --  
6850-01-384-0618

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

Product ID:IMPACT CONCENTRATED HEAVY DUTY INDUSTRIAL DEGREASER

MSDS Date:04/01/1998

FSC:6850

NIIN:01-384-0618

MSDS Number: BVBTR

=== Responsible Party ===

Company Name:ALLIED ENTERPRISES, INC.

Address:814 W. 45TH STREET

Box:6159

City:NORFOLK

State:VA

ZIP:23508-200

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Country:US

Info Phone Num:757-489-8282

Emergency Phone Num:757-489-8282/800-535-5053

CAGE:58396

=== Contractor Identification ===

Company Name:ALLIED ENTERPRISES, INC.

Address:814 W. 45TH STREET

Box:6159

City:NORFOLK

State:VA

ZIP:23508-2008

Country:US

Phone:757-489-8282

Contract Num:SP0450-99-M-C901

CAGE:58396

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: TO 100%

Other REC Limits:NONE RECOMMENDED

Ingred

Name:D-LIMONENE/CITRUS TERPENES

CAS:5989-27-5

RTECS #:GW6360000

Minumum % Wt:75.

Maxumum % Wt:85.

Other REC Limits:NONE RECOMMENDED

Ingred Name:COCONUT OIL DIETHANOLAMINE CONDENSATE/COCONUT  
DIETHANOLAMIDE

CAS:8051-30-7

Minumum % Wt:5.

Maxumum % Wt:10.

Other REC Limits:NONE RECOMMENDED

Ingred Name:NONYLPHENOL POLYETHOXATE/NONIONIC SURFACTANT

CAS:9016-45-9

RTECS #:MD0900000

Minumum % Wt:5.

Maxumum % Wt:10.

Other REC Limits:NONE RECOMMENDED

Ingred Name:DYE

Minumum % Wt:0.

Maxumum % Wt:5.

Ot

her REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.

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

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

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, DRYING AND FLAKING OF SKIN,  
REDNESS, BURNING AND TEARING OF EYES, NAUSEA, VOMITING

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS, E

YE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE  
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. SKIN: REMOVE  
CONTAMINATED CLOTHING. FLUSH SKIN WITH WATER. EYE: FLUSH WITH WATER  
FOR 15 MINUTES, HOLDING EYELIDS OPEN. INHALED: REMOVE TO FRESH AIR.  
INGESTIO N: DO NOT INDUCE VOMITING. IF CONSCIOUS,DRINK LARGE AMOUNT  
OF WATER TO DILUTE STOMACH CONTENTS. G

ET MEDICAL ATTENTION  
IMMEDIATELY.

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

Flash Point Method:TCC

Flash Point:=54.4C, 130.F

Lower Limits:1.0

Upper Limits:6.0

Extinguishing Media:USE FOAM, DRY CHEMICAL/CARBON DIOXIDE. DO NOT USE A DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual

Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND MAY TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY EXPLODE DUE TO VAPOR PRESSURE BUILDUP.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. CONTAIN AND PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH, VERMICULITE. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS OR WATERWAYS.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINER TIGHTLY CLOSED.

Other Precautions:AVOID CONTACT WITH EYES AND SKIN. AVOID BREATHING VAPORS OR MISTS. KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY. FOR USE BY TRAINED PERSONNEL ONLY.

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

Respiratory Protection:IF WORKING IN CONFINED AREAS OR IF EXCESSIVE MISTING IS EXPECTED, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR (REFER TO 29 CFR 1910.134).

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO KEEP EXPOSURE AS LOW AS POSSIBLE.

Protective Gloves:NITRILES, NEOPRENE, RUBBER

Eye Protection:SAFETY GLASSES WITH SIDE SHIELD/GOGGLES

Other Protective Equipment:EYE BATH, WASHING FACILITIES,

SAFETY SHOWER  
AND IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR  
DRINKING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE MFN 1, SAME NSN.

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

HCC:F7

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=168.3C, 335.F

B.P. Text:INITIAL

Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN

Vapor Pres:1

Spec G

Gravity:0.864

pH:11.5 - 12

Viscosity:NOT KNOWN

Evaporation Rate & Reference:90

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

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:EXCESSIVE HEAT, OPEN FLAMES, SPARKS

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE, CARBON  
DIOXIDE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIO

NS. REUSING, RECYCLING OR INCINERATION WITH ENERGY

RECOVERY IS RECOMMENDED. CONTRACT WITH A LICENSED WASTE DISPOSAL  
AGENCY.

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