

MSDS Safety Information

FSC: 6850  
NIIN: 01-388-9744  
MSDS Date: 12/01/1998  
MSDS Num: CJDWT  
Product ID: ENVIROSOLV 654 CR  
MFN: 02  
Responsible Party  
Cage: 05867  
Name: FINE ORGANICS CORP  
Address: 420 KULLER RD  
City: CLIFTON NJ 07015  
Info Phone Number: 201-472-6800  
Emergency Phone Number: 973-478-1000  
Resp. Party  
Other MSDS No.: 463-102

Item Description Information

Item Manager: S9G  
Item Name: CLEANING COMPOUND,SOLVENT  
Specification Number: NONE N  
Type/Grade/Class: NONE  
Unit of Issue: DR  
Quantitative Expression: 00000000055GL  
UI Container Qty: 0  
Type of Container: 1A1 18/18GA

Ingredients

Name: \*\*\* PROPRIETARY \*\*\*

Health Hazards Data

LD50 LC50 Mixture: LD50 (ORAL, RAT) > 10,000 MG/KG  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: POTENTIAL HEALTH EFFECTS: INHALATION: HIGH VAPOR  
CONCENTRATIONS MAY BE IRRITATING TO THE EYES, NOSE, AND RESPIRATORY TRACT.  
MAY CAUSE HEADACHES, DIZZINESS AND NAUSEA. USE

WITH ADEQUATE VENTILATION. EYE CONTACT: CONTACT WILL CAUSE IRRITATION AND/OR BURNS. SKIN CONTACT: CONTACT WILL CAUSE IRRITATION AND/OR BURNS. INGESTION: INGESTION WILL CAUSE IRRITATION TO GASTROINTESTINAL TRACT. CHRONIC: NONE CURRENTLY KNOWN.  
Explanation Of Carcinogenicity: NOT LISTED.  
Signs And Symptoms Of Overexposure: INHALATION: HIGH VAPOR CONCENTRATIONS MAY BE IRRITATING TO THE EYES, NOSE, AND RESPIRATORY TRACT. MAY CAUSE HEADACHES, DIZZINESS AND NAUSEA. EYE CONTACT: CONTACT WILL CAUSE IRRITATION AND/OR BURNS. SKIN CONTACT: CONTACT WILL CAUSE IRRITATION AND/OR BURNS. INGESTION: INGESTION WILL CAUSE IRRITATION TO GASTROINTESTINAL TRACT.  
Medical Condition Aggravated By Exposure: PRE-EXISTING ASTHMA-LIKE CONDITIONS.  
First Aid: INHALATION: REMOVE TO FRESH AIR. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. SEEK MEDICAL ATTENTION IN NECESSARY INSTANCES. EYE CONTACT: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES WITHIN ONE MINUTE OF CONTACT. SEEK MEDICAL ATTENTION. SKIN CONTACT: WASH AREAS OF CONTACT WITH GENEROUS AMOUNT OF WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY BEFORE REUSE. INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE PLENTY OF WATER. SEEK MEDICAL ATTENTION IN ANY NECESSARY INSTANCES.

=====

#### Handling and Disposal

=====

Spill Release Procedures: IF OUTDOORS, ADD SAND, EARTH OR OTHER ABSORBENT TO SPILL AREA. KEEP PRODUCT OUT OF SEWERS AND WATER COURSES BY DIKING OR IMPOUNDING. INSIDE SPILLAGE, SHUT OFF OR ELIMINATE ALL IGNITION SOURCES AND REMOVE WITH ABSORBENT MATERIAL. SWEEP UP ABSORBENT MATERIAL AND FOLLOW WASTE DISPOSAL METHODS.

Neutralizing Agent: NOT PROVIDED

Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. DISPOSAL RECOMMENDATIONS APPLY TO THE ORIGINAL MATERIAL AND ITS CONTAINER AND NOT ANY MATERIALS WHICH ARE A WASTE BY-PRODUCT OF THE USER'S OPERATION.

Handling And Storage Precautions: GENERAL: REASONABLE CARE AND PRECAUTIONS WHEN HANDLING MATERIAL IS STRONGLY RECOMMENDED. DO NOT STORE NEAR HEAT, SPARKS OR OPEN FLAMES. STORAGE TEMPERATURE: KEEP FROM FREEZING. STORAGE PRESSURE: NORMAL.

Other Precautions: EMPTY CONTAINERS: THIS CONTAINER MAY BE HAZARDOUS WHEN EMPTIED. EMPTIED CONTAINERS MAY RETAIN PRODUCT RESIDUES (VAPOR OR LIQUID). OBSERVE ALL LABELED HAZARD PRECAUTIONS.

=====

=====

## Fire and Explosion Hazard Information

=====

Flash Point Method: TCC

Flash Point Text: NONE TO BOIL

Extinguishing Media: DRY CHEMICAL, WATER SPRAY, FOAM OR CARBON DIOXIDE  
EXTINGUISHER.

Fire Fighting Procedures: KEEP EXPOSED DRUMS COOL WITH WATER SPRAY. SELF-  
CONTAINED BREATHING APPARATUS SHOULD BE WORN IF PRODUCT IS PRESENT DURING  
FIRE.

Unusual Fire/Explosion Hazard: NONE KNOWN.

=====

## Control Measures

=====

Respiratory Protection: NIOSH APPROVED RESPIRATOR WHEN OPERATING ABOVE THE  
SUGGESTED TLV LIMITS.

Ventilation: CONTROL AIRBORNE CONCENTRATIONS BELOW THE EXPOSURE GUIDELINES.  
LOCAL EXHAUST VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS.

Protective Gloves: RUBBER GLOVES.

Eye Protection: SAFETY GOGGLES IN ACCORDANCE WITH OSHA STD 1910.133 & ANSI STD  
Z87.1-1968.

Other Protective Equipment: NOT PROVIDED

Work Hygienic Pra

ctices: NOT PROVIDED

Supplemental Safety and Health: USE ONLY WITH ADEQUATE VENTILATION.

=====

## Physical/Chemical Properties

=====

HCC: B2

NRC/State LIC No: NOT RELEVANT

B.P. Text: 210-421F

Melt/Freeze Pt: <-1.1C, 30.F

Vapor Pres: <0.2MM HG

Vapor Density: >1(AIR=1)

Volatile Org Content %: 40

Spec Gravity: 0.923 @25C

PH: 11.2

Viscosity: NOT ESTABLISHED

Solubility in Water: APPRECIABLE.

App

Appearance and Odor: CLEAR ODORLESS LIQUID.

Percent Volatiles by Volume: 40

Corrosion Rate: NOT RELEVANT

Reactivity Data

Stability Indicator: YES

Stability Condition To Avoid: NOT PROVIDED.

Materials To Avoid: AVOID STRONG OXIDIZING AGENTS AND STRONG ACIDS.

Hazardous Decomposition Products: INCLUDES OXIDES OF CARBON.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization:

NONE

Toxicological Information

Toxicological Information: LD50 (RABBITS): > 10G/KG. LD50 (ORAL, RAT) > 10 G/KG

Ecological Information

Ecological: READILY BIODEGRADABLE (BASED ON 28 DAY CLOSED BOTTLE OXYGEN UPTAKE TEST).

MSDS Transport Information

Transport Information: DOT (DEPARTMENT OF TRANSPORTATION): PROPER SHIPPING NAME: COMPOUNDS, CLEANING LIQUID (ETHANOLAMINE). HAZARD CLASS & PACKAGING GROUP: 8, PG III. IDENTIFICATION NUMBER: NA 1760.

Regulatory Information

SARA Title III Information: SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT: 311/312

HAZARD CATEGORIES: MONOETHANOLAMINE: ACUTE HEALTH. 313 REPORTABLE

INGREDIENTS: GLYCOL ETHERS

Federal Regulatory Information: CERCLA: NO.

State Regulatory Information: NOT PROVIDED.

Other Information

Other Information: ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E

= NOT ESTABLISHED.

=====  
Transportation Information  
=====

Responsible Party Cage: 05867  
Trans ID NO: 141466  
Product ID: ENVIROSOLV 654 CR  
MSDS Prepared Date: 12/01/1998  
Review Date: 10/30/2001  
MFN: 2  
Tech Entry NOS Shipping Nm: ETHANOLAMINE  
Net Unit Weight: 422.9 LBS  
Multiple KIT Number: 0  
Review IND: Y  
Unit Of Issue: DR  
Container QTY: 0  
Type Of Container: 1A1 18/18GA  
Additional Data: THE MAXIM  
UM ALLOWED BY PASSENGER/CARGO AIR: 5 LITERS/60  
LITERS. IATA: THIS IS A 55-GALLON DRUM AND CANNOT BE SHIPPED BY AIR. DOT  
PROPER SHIPPING NAME, NA ID NUMBER, HAZARD CLASSIFICATION, AND PACKING GROUP  
PER MSDS.

=====  
Detail DOT Information  
=====

DOT PSN Code: DOO  
Symbols: D,G  
DOT Proper Shipping Name: COMPOUNDS, CLEANING LIQUID  
Hazard Class: 8  
UN ID Num: NA1760  
DOT Packaging Group: III  
Label:  
CORROSIVE  
Special Provision: N37,T7  
Non Bulk Pack: 203  
Bulk Pack: 241  
Max Qty Pass: 5 L  
Max Qty Cargo: 60 L  
Vessel Stow Req: A  
Water/Ship/Other Req: 40

=====  
Detail IMO Information  
=====

IMO PSN Code: ESH  
IMO Proper Shipping Name: CORROSIVE LIQUID, N.O.S. o  
IMDG Page Number: 8147  
UN Number: 1760  
UN Hazard Class: 8  
IMO Packaging Group: I/II/III  
Subsidiary Risk Label: -  
EMS Number: 8-15  
MED First A

id Guide NUM: 760

=====

Detail IATA Information

=====

IATA PSN Code: ZZY

IATA Proper Shipping Name: FORBIDDEN BY THIS MODE OF TRANSPORTATION

=====

Detail AFI Information

=====

AFI PSN Code: HKW

AFI Symbols: \*

AFI Proper Shipping Name: CORROSIVE LIQUID, N.O.S.

AFI Hazard Class: 8

AFI UN ID NUM: UN1

760

AFI Packing Group: III

Special Provisions: P5

Back Pack Reference: A12.3

=====

HAZCOM Label

=====

Product ID: ENVIROSOLV 654 CR

Cage: 05867

Company Name: FINE ORGANICS CORP

Street: 420 KULLER RD

PO Box: 2277

City: CLIFTON NJ

Zipcode: 07015

Health Emergency Phone: 201-472-6800

Label Required IND: Y

Date Of Label Review: 10/30/2001

Status Code: C

MFG Label NO: E-2

Label Date: 02/10/1999

Year P

Procured: 2002

Origination

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: WARNING

Respiratory Protection IND: NO

Health Hazard: Moderate

Contact Hazard: Moderate

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: TARGET ORGANS: NOT PROVIDED. CAUTION: CORROSIVE. USE ONLY IN WELL VENTILATED AREAS. KEEP FROM FREEZING. DO NOT USE IN CONFINED SPACES OR NEAR OPEN FLAMES OR SPARKS. FIRST AID: WASH AREAS OF CONTACT WITH GENEROUS AMOUNT OF WATER. FOR EYES: FLUSH WITH

H WATER FOR AT LEAST 15 MINUTES,  
WITHIN ONE MINUTE OF CONTACT. IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE  
PLENTY OF WATER. SEEK MEDICAL ATTENTION IN ANY NECESSARY INSTANCES. IF  
OVERCOME BY INHALATION, REMOVE TO FRESH AIR. USE DRY CHEMICAL, WATER SPRAY,  
FOAM OR CARBON DIOXIDE EXTINGUISHER. FOR SPILL, SHUT OFF IGNITION SOURCES AND  
REMOVE WITH ABSORBENT MATERIAL.

=====

Disclaimer (provided with this information by the compiling agencies)

: This  
information is formulated for use by elements of the Department of Defense.  
The United States of America in no manner whatsoever expressly or implied  
warrants, states, or intends said information to have any application, use or  
viability by or to any person or persons outside the Department of Defense  
nor any person or persons contracting with any instrumentality of the United  
States of America and disclaims all liability for such use. Any person  
utilizing this instruction w  
ho is not a military or civilian employee of the  
United States of America should seek competent professional advice to verify  
and assume responsibility for the suitability of this information to their  
particular situation regardless of similarity to a corresponding Department  
of Defense or other government situation.