



MATERIAL SAFETY DATA SHEET

MASTER

MSDS: 2-12

Original Date: January 8, 2001

Revision date: 03/16/2009

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Master

Molecular Formula: Mixture

Molecular Weight: Not available

MANUFACTURER:

Dynacco, Inc
7461 147TH Street S.E
P O Box 27
Monroe, WA 98272
USA

INFORMATION PHONE: 360-794-8974
24-HOUR EMERGENCY: CHEM-TEL 800-255-3924

2. COMPOSITION/INFORMATION ON INGREDIENTS

OSHA REGULATED COMPONENTS

Component / CAS No.	%	(w/w)	OSHA (PEL):	ACGIH (TLV)	Carcinogen
Citrus Terpenes 94266-47-4	< 40		Not established	Not established	-----

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE AND ODOR:

Color: Amber
Appearance: Liquid
Odor: Citrus

STATEMENTS OF HAZARD:

Warning! Causes eyes irritation. May cause skin irritation.

POTENTIAL HEALTH EFFECTS

EFFECTS OF EXPOSURE:

The acute oral (rat) LD50 and acute dermal (rabbit) LD50 values for this material are >2000 mg/kg, >5000 mg/kg, respectively. Direct contact with this material may cause moderate eye and mild skin irritation. The toxicological properties of this material have not been fully investigated. Refer to Section 11 for toxicology information on the regulated components of this product.

4. FIRST AID MEASURES

Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Skin Contact: Wash immediately with plenty of water and soap.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes. Obtain medical advice if there are persistent symptoms.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray or fog, carbon dioxide or dry chemical.

Protective Equipment: Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing. See MSDS Section 8 (Exposure Controls/Personal Protection).

Special Hazards: Keep containers cool by spraying with water if exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.

Methods For Cleaning Up: Cover spills with some inert absorbent material; sweep up and place in a waste disposal container. Flush spill area with water.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin and clothing. Avoid breathing vapor. Use with adequate ventilation. Keep container closed. Wash thoroughly after handling.

Special Handling Statements: Provide good ventilation of working area (local exhaust ventilation if necessary). During processing and handling of the product, comply with the indicative occupational exposure limit values.

STORAGE Store in a cool, dry, well ventilated place and keep container tightly closed. Observe the general rules of industrial fire protection.

Storage Temperature: Store at Room temperature

Reason: Integrity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

Engineering controls are not usually necessary if good hygiene practices are followed.

Respiratory Protection:

None recommended

Eye Protection:

Wear eye/face protection.

Skin Protection:

Avoid skin contact. Wear impermeable gloves.

Additional Advice:

Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Amber
Appearance:	Liquid
Odor:	Citrus
Boiling Point:	200 °F method estimated
Melting Point:	Not available
Vapor Pressure:	0.1hPa @ 20 °C
Specific Gravity/Density:	1.022@ 20 °C method estimated
Vapor Density:	1.06g/cm ³ @ 20 °C
Percent Volatile (% by wt.):	Not available
pH:	13.0
Saturation In Air (% By Vol.):	Not available
Evaporation Rate:	Not available
Solubility In Water:	Not available
Volatile Organic Content:	Not available
Flash Point:	170 °F method estimated
Flammable Limits (% By Vol):	Not available
Autoignition Temperature:	Not available
Decomposition Temperature:	Not available
Partition coefficient (n-octanol/water):	Not available
Odor Threshold:	Not available

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions To Avoid:	This product is stable at room temperature and in normal handling conditions. None known
Polymerization:	Will not occur
Conditions To Avoid:	None known
Materials To Avoid:	None Known
Hazardous Decomposition Products:	Carbon monoxide Carbon dioxide smoke aromatic and aliphatic hydrocarbons

11. TOXICOLOGICAL INFORMATION

Toxicological information for the product is found under Section 3. HAZARDS IDENTIFICATION. Toxicological information on the regulated components of this product is as follows:

No data available on product.

Acute effects

Citrus Terpenes have been shown to have low oral toxicity (LD 50 > 5 g/Kg) and low dermal toxicity (LD50 > 5g/kg) when tested on rabbits. The skin irritancy in guinea pigs and rabbits is considered moderate and low, respectively.

Chronic Effects

Prolonged or repeated exposure of citrus terpene can cause drying or dermatitis of skin.

California Proposition 65 Warning (applicable in California only) - This product contains (a) chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

12. ECOLOGICAL INFORMATION

The ecological properties of this material have not been fully investigated. An assessment has been initiated to determine possible environmental effects.

DEGRADATION : biodegradability

13. DISPOSAL CONSIDERATIONS

The information on RCRA waste classification and disposal methodology provided below applies only to the product, as supplied. If the material has been altered or contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA `listed hazardous waste` or has any of the four RCRA `hazardous waste characteristics.` Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA `listed hazardous waste`; information contained in Section 15 of this MSDS is not intended to indicate if the product is a `listed hazardous waste.` RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: Ignitability, Corrosivity, Reactivity, and Toxicity. To determine Ignitability, see Section 9 of this MSDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. The Company encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. The Company recommends that organic materials classified as RCRA hazardous wastes be disposed of by thermal treatment or incineration at EPA approved facilities. The Company has provided the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

US DOT Proper Shipping Name: Compounds, Cleaning, Liquid

RQ, Environmentally Hazardous Substances, Liquid, N.O.S.(Diethanolamine)
9 UN3082, PG III

Reportable Quantity (RQ) of 3,508 lbs

TRANSPORT CANADA

Proper Shipping Name: Compounds, Cleaning Liquid (Non-Hazardous)

ICAO / IATA

Proper Shipping Name: Not applicable/Not regulated
Packing Instructions/Maximum Net Quantity Per Package:
Passenger Aircraft: -
Cargo Aircraft: -

IMO

Proper Shipping Name: Not applicable/Not regulated

15. REGULATORY INFORMATION

INVENTORY INFORMATION

United States (USA): All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

Canada: All components of this product are included NOT the Domestic Substances List (DSL).

European Union (EU): All components of this product are NOT included on the European Inventory of Existing Chemical Substances (EINECS).

Australia: One or more components of this product have NOT yet been included in the Australian Inventory of Chemical Substances (AICS) or assessed by NICNAS.

China: All components of this product are NOT included on the Chinese inventory.

Japan: All components of this product are NOT included on the Japanese (ENCS) inventory.

Korea: All components of this product are NOT included on the Korean (ECL) inventory.

Philippines: All components of this product are NOT included on the Philippine (PICCS) inventory.

OTHER ENVIRONMENTAL INFORMATION

The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc.) See Section 13 for information on waste classification and waste disposal of this product.

Diethanolamine (111-42-2) RQ (100lbs); CERCLA (100Lbs)

PRODUCT HAZARD CLASSIFICATION UNDER SECTION 311 OF SARA

- Acute

16. OTHER INFORMATION

NFPA Hazard Rating (National Fire Protection Association)

Health: 1 - Materials that, under emergency conditions, can cause significant irritation.

Fire: 1 - Materials that must be preheated before ignition can occur.

Reactivity: 0 - Materials that in themselves are normally stable, even under fire exposure conditions.

Reasons For Issue:

New Format

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