

MATERIAL SAFETY DATA SHEET

FLEXO CLEAN

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Synergy Graphics Phone Number: 1-800-521-4042 Emergency Phone: 1-800-424-9300
Product Name: **FLEXO CLEAN** Product Number: **189010**
Prepared By: MSDS Author 3 Date Prepared: 11/13/2003

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
MONOETHANOLAMINE	141-43-5	3 ppm TWA	3 ppm TWA	1-5
SODIUM SULFATE SOLUTION	MIXTURE	N.E.	N.E.	1-5
SODIUM XYLENE SULFONATE	1300-72-7	N.E.	N.E.	1-5
ANIONIC SURFACTANTS	N/A	N.E.	N.E.	1-5
GLYCOL ETHERS	MIXTURE	N.E.	N.E.	1-5
DIETHYLENE GLYCOL*	111-46-6	N.E.	N.E.	1-5
TETRASODIUM EDTA	MIXTURE	N.E.	N.E.	1-2

*50 ppm TWA AIHA WEEL (8 hr. vapor and aerosol)

3. HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause severe irritation and burns.

Inhalation: Mist may cause irritation to respiratory tract. In contact with strong acids or if heated may liberate sulfur dioxide gas which is irritating. Some asthmatics or hypersensitive individuals may experience difficult breathing.

Ingestion: Harmful if swallowed. May cause burns to the gastrointestinal tract. Some asthmatics and sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, diarrhea.

Skin Contact: Will cause irritation and burns.

Signs And Symptoms Of Exposure: Eye and skin burns, abdominal pain, vomiting and diarrhea upon ingestion, difficulty breathing.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Inhalation: If symptomatic, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Skin Contact: Flush skin with plenty of water and wash with a non-alkaline skin cleaner. Wash contaminated clothes before reuse. Get medical attention if irritation develops.

Aggravated Medical Conditions: Individuals who are under the care of a physician or have chronic ailments, should consult a physician before using this product.

Supplemental Health Information: None of the components in this product is listed by IARC, NTP, or OSHA as carcinogen.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point: Noncombustible
LEL: Not applicable

Flash Point Method: Not applicable
UEL: Not applicable

Auto ignition: Not applicable

Extinguishing Media: Use water spray, carbon dioxide, dry chemical, or alcohol foam.

Special Fire -Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire And Explosion Hazards: Fire or excessive heat may cause production of hazardous decomposition products.

Combustion Products: Concentrate: Carbon dioxide, carbon monoxide, and oxides of sulfur.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Neutralize but avoid a low Ph, as it will release SO₂. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Store in a cool, dry, well-ventilated area. Keep containers closed. Do not store with incompatible materials. Do not store or consume food, drink, or tobacco where they may become contaminated with this material.

Other Precautions: All labeled precautions must be observed when handling, storing and transporting empty containers due to product residues. Do not reuse containers. Triple rinse before disposal. Dispose of in a licensed facility. Recommended crushing or other means to prevent re-use.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: When this product is used in the intended way, no respiratory protection is anticipated to be necessary. If use conditions do not maintain vapors or fumes below exposure limits, use a NIOSH approved respirator with acid gas cartridges.

Ventilation: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits, typically 10 air changes per hour.

Protective Gloves: Rubber or neoprene waterproof gloves are recommended.

Eye Protection: Safety glasses with side shields (or goggles) a

Other Protective Clothing or Equipment: Rubber or plastic apron or other protective clothing suitable for the exposure risk.

Work/Hygienic Practices: Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Exposure Guidelines: See Section 2.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear, blue liquid with a slight odor.

Boiling Point: N.E.

Melting Point: Not applicable

Vapor Density: N.E.

Molecular Weight: Not applicable

V.O.C. = 102.64 g/L or 10.0 % or 0.86 lbs/gal.

Vapor Pressure: N.E.

Freezing Point: N.E.

Percent Volatile: 87.37

Pounds Per Gallon: 8.6

Solubility In Water: Complete

Specific Gravity: 1.03

Evaporation Rate: N.E.

Ph: 12.5

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Avoid high temperatures.

Incompatibility: Strong acids, oxidizers, and strong bases.

Hazardous Decomposition Or By Products: Carbon monoxide, carbon dioxide, and oxides of sulfur may evolve under extreme conditions.

Hazardous Polymerization: Will Not Occur

Conditions To Avoid: None

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Discharge, treatment or disposal may be subject to Federal, State (provincial in Canada) or local laws.

14. TRANSPORT INFORMATION

DOT Class: NOT REGULATED

Hazard Class: NONE

UN No.: NOT APPLICABLE

Packing Group:

Guide No:

Ship Name: NOT REGULATED

15. REGULATORY INFORMATION

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

SARA TITLE III: None

CALIF. PROP. 65: Product contains a mixture includes trace amounts of Trisodium NTA. In addition, Diethanolamine (Cas # 111-42-2), Ethylene Oxide (Cas # 75-21-8), and 1, 4-Dioxane (Cas # 123-91-1) are present in component mixtures at trace levels. The State of California's Safe Drinking Water and Toxic Enforcement Act of 1986, or Proposition 65 requires the following information. This regulation does not address de minimus levels; therefore, even trace amounts of the chemicals included on Proposition 65's list of chemicals known to the State of California to cause cancer or reproductive toxicity must be noted with the "Safe Harbor" wording. WARNING: This product contains Trisodium NTA, Diethanolamine, Ethylene Oxide, and 1,4-Dioxane – known to the State of California to cause cancer, birth defects or other reproductive harm.

CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS ABOVE THE MINIMUM AMOUNT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

16. OTHER INFORMATION (HMIS)

Health: 1

Flammability: 0

Reactivity: 0

Protective: C

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.