

MATERIAL SAFETY DATA SHEET

SECTION 1 - MANUFACTURER INFORMATION

MANUF / DIST: DETAILS MANUFACTURING & DISTRIBUTING
814 SOUTH DUFF AVE
AMES, IOWA 50010

PREPARER/CONTACT: LUKE STAGG

PHONE: 515-233-6555

MEDICAL/CHEMICAL EMERGENCY 24 HOURS INFOTRAC 800-535-5053

TRADE NAME / SYNONYMS. . . : SHOW CAR SHINE

CHEMICAL NAME / SYNONYMS: NOT APPLICABLE

CHEMICAL FAMILY. : NOT APPLICABLE

FORMULA. : Proprietary

PRODUCT CODE. : SCS1

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM:

The diagram shows a diamond-shaped hazard identification system. The top vertex is labeled 'FIRE' with a '0' inside. The left vertex is labeled 'HEALTH' with a '1' inside. The right vertex is labeled 'REACTIVITY' with a '0' inside. The bottom vertex is labeled 'SPECIFIC' with an 'X' inside. To the right of the diamond is a legend box titled 'HAZARD RATING' with the following entries: 4 = EXTREME, 3 = HIGH, 2 = MODERATE, 1 = SLIGHT, 0 = INSIGNIFICANT, X = SEE TEXT.

SECTION 2 - HAZARDOUS INGREDIENTS

NAMES OF HAZARDOUS INGREDIENTS: See CFR29§1910.1200 (i)-(13)

CHEMICAL / COMMON NAME	CAS#	PERCENTAGE	PEL-OSHA	TLV-ACGIH
2 Butoxy Ethanol	111-76-2	<1	50PPM	25PPM
Emulsifier	none est.		low toxicity	none established

THIS PRODUCT DOES **NOT** CONTAIN CARCINOGENS: (NTP, IARC, OSHA):

SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (Acute and Chronic):

Acute:

- a) Eyes - Can cause severe irritation, redness, tearing, blurred vision.
- b) Skin - Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

DETAILS MANUFACTURING & DISTRIBUTING

MATERIAL SAFETY DATA SHEET

- c) Inhalation - Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.
- d) Ingestion - Can cause gastro-intestinal irritation, nausea, vomiting and diarrhea.

Chronic

- a) Overexposure to glycol ethers (in its pure state) has apparently been found to cause anemia, liver abnormalities, kidney damage, lung damage, abnormalities in laboratory animals.

blood

PRIMARY ROUTES OF ENTRY:

- a) Skin
- b) Inhalation

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

EMERGENCY FIRST AID PROCEDURES:

- a) Skin - Immediately flush skin with lots of running water for at least 30 minutes. Remove contaminated clothing and shoes. Wash before reuse.
- b) Eyes - Flush immediately with large quantities of running water for at least 15 minutes. Consult Physician.
- c) Inhalation - If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, quiet and get medical attention.
- d) Ingestion - Do not induce vomiting. call physician immediately. If conscious give lots of water or milk. Do not give anything by mouth to an unconscious or convulsing person.

SECTION 4 - CHEMICAL DATA

BOILING POINT (F) : >212°F	SPECIFIC GRAVITY (WATER=1) : >0.96
VAPOR PRESSURE (mmHg) : <10	PERCENT VOLATILE BY VOLUME (%) . . . : >96.00
VAPOR DENSITY (AIR=1) : 4.8	EVAPORATION RATE (WATER=1) : <1
SOLUBILITY IN WATER: Disperses in water.	

APPEARANCE AND ODOR INFORMATION:

Pinkish/Red thin liquid with Cherry odor.

MATERIAL SAFETY DATA SHEET

SECTION 5 - FIRE + PHYSICAL HAZARD DATA

FLASH POINT none FLAMMABLE LIMITS: not applicable

EXTINGUISHING MEDIA: Regular foam, waterfog, carbon dioxide or dry chemicals.

SPECIAL FIRE FIGHTING PROCEDURES:

Clear fire area of unprotected personal. Do not enter confined fire area without full bunker gear, including a positive pressure mode breathing apparatus. * see special comments SECTION.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Never use welding or cutting torch on or near container (even empty) because product (even just empty) can ignite explosively. Vapors heavier than air could be ignited from a location distant from the material handling point.

INCOMPATIBILITY (Material To Avoid):

Avoid contact with strong oxidizing agents such as chlorine, permanganate, etc.

HAZARDOUS DECOMPOSITION PRODUCTS:

Burning may produce oxides of carbon and traces of hydrocarbons.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

THIS PRODUCT IS STABLE

SECTION 6 - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Eliminate all ignition sources. Absorb and shovel into containers.

WASTE DISPOSAL METHODS:

Contaminated absorbant may be disposed of according to local, state and federal regulations.

SECTION 7 - EXPOSURE CONTROL INFORMATION

VENTILATION:

LOCAL EXHAUST: Below TLV(s)

MECHANICAL (General) : N/A

SPECIAL : N/A

OTHER : N/A

RESPIRATORY PROTECTION:

If TLV of the product or any component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised of proper environmental control.

PROTECTIVE GLOVES:

Wear - resistant gloves such as nitrile rubber, PVC, etc.

DETAILS MANUFACTURING & DISTRIBUTING

MATERIAL SAFETY DATA SHEET

OTHER PROTECTIVE EQUIPMENT:

- a) To prevent repeated and prolonged skin contact, wear impervious clothing and boots.
- b) Eye wash and quick drench facilities.

OTHER ENGINEERING CONTROLS: None Known

WORK PRACTICES:

Eye wash fountain and safety shower should be accessible. Discard properly such items as rags and trash soaked with the product. Provide adequate ventilation.

HYGIENIC PRACTICES:

Avoid contact with eyes, skin and clothing. Avoid inhalation of product vapors. Wash thoroughly after handling and before eating, drinking or smoking. Remove contaminated clothing promptly and wash thoroughly before reused.

SECTION 8 - SPECIAL PRECAUTION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

- a) Keep away from heat, sparks and open flames.
- b) Protect from physical damage and keep tightly closed.

MAINTENANCE PRECAUTIONS:

When working with FLAMMABLE or COMBUSTIBLE material, electrically ground all equipment and use only non-sparking tools.

OTHER PRECAUTIONS:

- a) containers, even those that have been emptied will retain product residue and vapors. Always obey hazard warnings.
- b) Always ground metal containers while pouring.

ADDITIONAL COMMENTS:

* Special Fire Fighting Procedures:

Cool fire exposed containers with waterfog.

*Keep containers cool with water spray using fog nozzles.

SHIPPING INFO, UN/NA #'s, Secondary container label INFO NECESSARY OR SUGGESTED:

KEEP OUT OF THE REACH OF CHILDREN!

DETAILS MANUFACTURING & DISTRIBUTING

Page 4 of 4