

## MATERIAL SAFETY DATA SHEET

Date: February 22, 2010

Replaces: November 10, 2009dco

### SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: 84708  
PRODUCT NAME: Star brite Crankcase Oil Stabilizer

CHEMICAL FAMILY: Metal working oils

SYNONYMS: 00522 Canopus 19

MANUFACTURER NAME AND ADDRESS:  
Star brite Distributing, Inc.  
4041 S. W. 47 Avenue  
Ft. Lauderdale, FL 33314

TELEPHONE NUMBERS:  
Chemtrec: 800-424-9300 or 703-527-3887  
Star brite: 800-327-8583

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY/COMMON NAME)</u>	<u>CAS #</u>	<u>PERCENTAGE</u>
Mineral oil	64742-65-0	80

<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>
64742-65-0	5mg/m3	5mg/m3	10mg/m3

### SECTION 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

Appearance: Pale liquid

Odor: Petroleum oil odor

NFPA: 1, 1, 0

#### CAUTION! WARNING STATEMENT

Aspiration hazard if swallowed

Can enter lungs and cause damage

Oil mist may cause respiratory irritation

ROUTE(S) OF ENTRY: Inhalation? Yes Skin? Yes Eyes? Yes Ingestion? No Other:

#### POTENTIAL HEALTH EFFECTS (Acute and Chronic):

ACUTE:

EYES: May cause minimal irritation, experienced as temporary discomfort.

SKIN CONTACT:

Brief contact may cause slight irritation. Prolonged contact, as with clothing wetted with material, may cause more severe irritation and discomfort, seen as local redness and swelling.

Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact.

INHALATION:

Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea and drowsiness.

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### SECTION 3. HAZARDS IDENTIFICATION (cont=d)

#### INGESTION:

If more than several mouthfuls are swallowed, abdominal discomfort, nausea and diarrhea may occur. Aspiration may occur during swallowing or vomiting resulting in lung damage.

No adverse chronic effects have been documented in humans.

CARCINOGENICITY: NTP? No IARC Monographs? No OSHA Regulated? No  
CARCINOGENICITY/OTHER INFORMATION: None

RECOMMENDED EXPOSURE LIMITS: LD50 > 5.00 g/kg  
LD 50/LC 50: No data available

SIGNS AND SYMPTOMS OF EXPOSURE: See Potential Health Effects

### SECTION 4. FIRST AID MEASURES

#### EMERGENCY AND FIRST AID PROCEDURES:

##### EYES:

Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

##### SKIN:

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

##### INGESTION:

If person is conscious and can swallow, give two glasses of water, but do not induce vomiting. If vomiting occurs, give fluids again. Have medical personnel determine if evacuation of stomach or induction of vomiting is necessary. Do not give anything by mouth to an unconscious or convulsing person.

##### INHALATION:

If irritation, headache, nausea or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

##### OTHER INSTRUCTIONS:

Aspiration of this product during induced emesis may result in severe lung injury. If evacuation of stomach is necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation. Contact a poison center for additional treatment information.

Remove and dry-clean or launder clothing soaked or soiled with this material before reuse. Dry cleaning of contaminated clothing may be more effective than normal laundering. Inform individuals responsible for cleaning of potential hazards associated with handling contaminated clothing.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Because of irritating properties, repeated skin contact may aggravate an existing dermatitis (skin condition).

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### SECTION 5. FIRE FIGHTING MEASURES

FLASH PT: 380.0 F (193.31 C)      METHOD USED: COC  
EXPLOSIVE LIMITS: LEL: No data UEL: No data  
AUTOIGNITION PT: NE or NA

EXTINGUISHING MEDIA: Not determined

FIRE FIGHTING INSTRUCTIONS: Use water spray, dry chemical, foam or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.

FLAMMABLE PROPERTIES AND HAZARDS: None

### SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterway. Avoid contact with skin, eyes or clothing.

### SECTION 7. HANDLING AND STORAGE

HAZARD LABEL INFORMATION: Minimum feasible handling temperature. Minimize exposure to high temperature. Avoid water contamination.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Minimum feasible handling temperatures should be maintained. Periods of high exposure to high temperatures should be minimized. Water contamination should be avoided.

OTHER PRECAUTIONS: No data available

WORK/HYGIENIC/MAINTENANCE PRACTICES: Do not smoke while using. Wash hands after use. Use good personal hygiene at all times. Launder soiled clothing before reuse. Keep out of the reach of children.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PROTECTIVE EQUIPMENT SUMMARY - HAZARD LABEL INFORMATION

Safety glasses	Goggles or face shield
Wash exposed area with soap and water	Launder or dry clean work clothing.
Adequate ventilation provided.	

RESPIRATORY EQUIPMENT (Specify Type): Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the containment. Air supplied respirators should always be worn when airborne concentration of the containment or oxygen content is unknown.

EYE PROTECTION: Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.

PROTECTIVE GLOVES: Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.

OTHER PROTECTIVE CLOTHING: No data available

ENGINEERING CONTROLS (Ventilation etc.): No data available

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATES:  Gas  Liquid  Solid  
BOILING POINT: NE or NA to NE or NA  
MELTING POINT: NE or NA to NE or NA

SPECIFIC GRAVITY (WATER = 1): ..... .86 NE or NA  
VAPOR PRESSURE (MM HG): ..... No Data. NE or NA  
VAPOR DENSITY (AIR = 1): ..... No Data. NE or NA  
EVAPORATION RATE (BUTYL ACETATE=1): ..... No Data. NE or NA  
SOLUBILITY IN WATER: ..... No Data. NE or NA  
PERCENT VOLATILE: ..... No Data. NE or NA  
SATURATED VAPOR CONCENTRATION: ..... NE or NA  
VISCOSITY: ..... 18.9-22cSt at 40.0 C  
APPEARANCE AND ODOR: ..... Pale liquid/Petroleum oil odor

### SECTION 10. STABILITY AND REACTIVITY

STABILITY: Unstable  Stable   
CONDITIONS TO AVOID - INSTABILITY: No data available

INCOMPATIBILITY - MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones.

HAZARDOUS POLYMERIZATION: May occur  Will not occur   
CONDITIONS TO AVOID - HAZARDOUS POLYMERIZATION: No data available

### SECTION 11. TOXICOLOGICAL INFORMATION

Median Lethal Dose

Oral: LD50 > 5.00 g/kg (rat) practically non-toxic

Inhalation: Not determined.

Dermal: LD 50 > 3.00 g/kg (rabbit) practically irritating  
Irritation Index, Estimation of irritation (species)

Skin: (Draize) 3.30/110 (rabbit) no appreciable effect

Sensitization: (buehler) Negative- skin (guinea pig)

Other: None

### SECTION 12. ECOLOGICAL INFORMATION

No data available

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### SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes etc. may render the resulting materials hazardous.

### SECTION 14. TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Not regulated

DOT HAZARD LABEL: None.  
UN/NA NUMBER: No data

ADDITIONAL TRANSPORT INFORMATION:

IMDG and IATA: Not regulated

### SECTION 15. OTHER INFORMATION

Federal Regulations:

SARA Title III:

Section 302/304 Extremely Hazardous Substances

None

Section 311 Hazardous Categorization

Acute

Section 313 Toxic Chemicals

None

State Regulations: California Proposition 65: The following detectable components of this product are substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity. Chemical Name CAS Number None

### SECTION 16. OTHER INFORMATION

<u>NFPA RATINGS: (0-4)</u>	<u>NFPA SPECIFIC HAZARDS</u>
Health 1:	
Flammability: 1	
Reactivity: 0	

The supplier makes no warranty of any kind, express or implied, concerning the use of this product either singly or in combination with other substances. Effects can be aggravated by other materials. This product may aggravate or add to the effects of other materials. This product may be released from gas, liquid or solid materials made directly or indirectly from it. User assumes all risks incident to its use. User must communicate to its employees and customers, including consumers of its products, all warnings that relate to the potential exposure of each of those groups to the material. To the best of our knowledge, the information contained herein is accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. No warranty is made, either express or implied.