

Prod.Name: 88861206
Manufacturer: TRACER PRODUCTS A DIV OF SPECTRONICS COR
HMCS ID: 1183219
SUC: 04 - Metal Working Fluids and Lubricants

MATERIAL SAFETY DATA SHEET

Revision: 31.Aug.2005
Effective: 31.Aug.2005
Print Date: 17.Jan.2006
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1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT INFORMATION

Product Name: 88861206

Product Synonyms:

4 in 1 Fluorescent Dye

Recommended Use:

Leak Detection.

External Keys:

4 in 1 Primary Tradename - Distributable Material

Fluorescent Dye

88862106 Distributable Material (Part #)

MANUFACTURER INFORMATION

Manufacturer: TRACER PRODUCTS A DIV OF SPECTRONICS COR

Address:

956 BRUSH HOLLOW USA NEW 11590 WESTBURY MAILING
ROAD YORK

Communication Lines:

Phone 800-424-9300

CHEMTREC

Phone 800-641-1133

EMERGENCY

Phone 800-641-1133

INFO

Phone 516-333-1254

For calls originating outside continental US

Phone 703-527-3887

Chemtrec - call collect outside continental US

Comment:

DESCRIPTION: Fluorescent Dye for Oil and Oil-Based Fluids (All-In-One™).

2 INGREDIENT INFORMATION

FORMULATION

Ingredients:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<u>Exposure Limits</u>
LUBRICANT OIL NJT# 80100312-5004P	989982-49-4	Range	45 - 55	% Wt	No
PERYLENE DERIVATIVE (NJT# 80100312-5000P)	989986-78-8	Range	30 - 40	% Wt	No
FLUORESCENT DYE	989922-02-5	Range	10 - 20	% Wt	No

Comment:

(989982-49-4) Lubricant Oil: The specific identity has been withheld as a trade secret. New Jersey Trade Secret Registry Number NJ EIN 80100312-5004P.

(989986-78-8) Fluorescent Dye (A): The specific identity has been withheld as a trade secret. New Jersey Trade Secret Registry Number NJ EIN 80100312-5000P.

(989922-02-5) Fluorescent Dye (B): The specific identity has been withheld as a trade secret. New Jersey Trade Secret Registry Number NJ TSRN 80100023-5021P.

3 HAZARDS IDENTIFICATION

Hazards Overview:

EMERGENCY OVERVIEW: Combustible liquid and vapor. May cause eye and skin irritation. Do not inhale, can cause respiratory system irritation. Do not swallow, can cause digestive tract irritation, nausea, vomiting, diarrhea.

Specific Hazards:

PRIMARY ROUTES OF EXPOSURE: Eye. Skin. Inhalation (breathing).

Specific Hazards (Routes Of Exposure):

<u>Exposure Routes</u>	<u>Observation</u>
Eye Contact	Can cause slight to mild irritation.
Skin Contact	Irritation can occur following prolonged or repeated contact.
Inhalation	Can cause irritation to eyes, nose, and respiratory tract following prolonged exposure.
Ingestion	Irritation to the mouth, throat, and stomach.

Medical Conditions Aggravated By Exposure:

Exposure to this product is not expected to contribute to, worsen or aggravate any existing medical conditions.

4 FIRST AID MEASURES

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First Aid By::

Inhalation Remove to fresh air. If symptoms develop, seek immediate medical attention. If not breathing, give artificial respiration.
Skin Contact Wash affected area with soap and water. If irritation develops, consult a physician.
Eye Contact Flush eyes with water for 15 minutes. If irritation develops, consult a physician.
Ingestion Call a physician immediately. Induce vomiting only as directed by medical personnel.

5 FIRE FIGHTING MEASURES

Flash Point:

> 212 F TEST METHOD: Not tested.
> 100 C TEST METHOD: Not tested.

Explosive Limits:

Upper Explosive Limit Not Determined
(UEL)
Lower Explosive Limit Not Determined
(LEL)

Autoignition Temperature:

Not Determined

Extinguishing Media:

Small Fires: Use dry chemical, carbon dioxide, halon, water, spray, or foam. Large Fires: Water spray, fog, or alcohol foam.

Fire and Explosion Hazards:

May liberate irritating or toxic vapors during combustion or decomposition.

6 ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES

Recovery:

Contain with absorbent material such as clay, soil or any commercially available absorbent. Shovel reclaimed dye and absorbent into recovery or salvage drums for disposal.

Disposal:

Dispose of according to applicable local, state and federal regulations.

7 HANDLING AND STORAGE

HANDLING

Safe Handling Procedures:

SPECIAL WARNING: Hot organic chemical vapors or mists can suddenly and without warning combust when mixed with air. Ignition can occur at typical elevated temperature process conditions. PERSONAL HYGIENE: Wash thoroughly after handling, especially before eating, drinking, smoking, or using restroom facilities. EMPTY CONTAINER PRECAUTIONS: Do not reuse empty container for any purpose.

STORAGE

Storage Conditions:

Store in a cool, dry, well-ventilated area away from heat, ignition sources, and direct sunlight. Always keep containers tightly closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

ENGINEERING CONTROLS / VENTILATION: Maintain airborne concentrations below the established exposure limits (see PEL and TLV in section 2) by providing adequate ventilation.

EXPOSURE LIMITS

Additional Limit Values:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<u>Supplement</u>	<u>Comment</u>
LUBRICANT OIL NJT# 80100312-5004P	989982-49-4	=	5	mg/m3	ACGIH TLV. 8 Hr.	Airborne Oil Mist Exposure Limits.
LUBRICANT OIL NJT# 80100312-5004P	989982-49-4	=	10	mg/m3	ACGIH STEL.	Airborne Oil Mist

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<u>Chemical Name</u>	<u>CAS Number</u>	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<u>Supplement</u>	<u>Comment</u>
LUBRICANT OIL NJT# 80100312-5004P	989982-49-4	=	5	mg/m3	OSHA PEL. 8 Hr.	Exposure Limits. Airborne Oil Mist Exposure Limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment (PPE):

Eye Protection Wear safety goggles. An eye wash facility should be readily available.

Skin Protection Wear protective clothing and appropriate chemically impervious gloves.

Respiratory Protection Avoid breathing vapor and/or mist. Respiratory protection programs must be in compliance with 29 CFR 1910.134.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical State: Liquid

Color: Dark red.

Odor: Mineral oil.

PHYSICAL PROPERTIES

pH Value:

Not
Applicable

Changes of State:

Boiling Point Undetermined.

Specific Gravity:

Lighter than water. (Water = 1).

Solubility:

In Water. Insoluble.

Viscosity:

Viscosity = 22 cst @ 100 deg.F.

VOC:

None.

Comment:

NOTE: The physical data presented above are typical values and should not be construed as a specification.

10 STABILITY AND REACTIVITY

STABILITY INFORMATION

Stability Under Normal Conditions: Stable

Conditions to Avoid:

High temperatures. Source of ignition.

Incompatible Materials:

Oxidizers and reducers.

Hazardous Polymerization:

Will not occur.

Comment:

CHEMICAL STABILITY: Stable under normal conditions of storage and use.

HAZARDOUS DECOMPOSITION

Reactions:

Type of Reaction

Thermal Decomposition

Reaction Products

Smoke, soot, and toxic/irritating fumes (i.e., carbon dioxide, carbon monoxide, etc.). Oxides of nitrogen.

Decomposition

Combustion may produce carbon monoxide and other asphyxiants.

11 TOXICOLOGICAL INFORMATION

SCIENTIFIC OBSERVATIONS

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TOXICOLOGICAL EFFECTS

Data By Chemical:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Investigated Effect</u>	<u>Route of Administration</u>	<u>Organism Observed</u>	<u>Comment</u>
PERYLENE DERIVATIVE (NJT# 80100312-5000P)	989986-78-8	Irritant	Eye Contact	Rabbit.	Slight to mild irritation.
PERYLENE DERIVATIVE (NJT# 80100312-5000P)	989986-78-8	Irritant	Skin Contact	Rabbit.	Mild irritation.
FLUORESCENT DYE	989922-02-5	Irritant	Eye Contact	Rabbit.	Irritation.
FLUORESCENT DYE	989922-02-5	Irritant	Skin Contact	Rabbit.	Irritation.
LUBRICANT OIL NJT# 80100312-5004P	989982-49-4	Irritant	Eye Contact	Rabbit.	Slight irritation.
LUBRICANT OIL NJT# 80100312-5004P	989982-49-4	Irritant	Skin Contact	Rabbit.	Slight irritation.

LETHAL LIMIT VALUES

Data By Chemical:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Exposure Routes</u>	<u>Type</u>	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<u>Species</u>	<u>Comment</u>
PERYLENE DERIVATIVE (NJT# 80100312-5000P)	989986-78-8	Ingestion	LD50	>	5	g/kg	Rat.	
PERYLENE DERIVATIVE (NJT# 80100312-5000P)	989986-78-8	Skin Contact	LD50	>	2	g/kg	Rabbit.	
PERYLENE DERIVATIVE (NJT# 80100312-5000P)	989986-78-8	Inhalation	LC50	Not Available			Rat.	
FLUORESCENT DYE	989922-02-5	Ingestion	LD50	Not Available			Rat.	
FLUORESCENT DYE	989922-02-5	Skin Contact	LD50	Not Available			Rabbit.	
FLUORESCENT DYE	989922-02-5	Inhalation	LC50				Rat.	Slight to mild irritation.
LUBRICANT OIL NJT# 80100312-5004P	989982-49-4	Ingestion	LD50	Not Available			Rat.	
LUBRICANT OIL NJT# 80100312-5004P	989982-49-4	Skin Contact	LD50	Not Available			Rabbit.	
LUBRICANT OIL NJT# 80100312-5004P	989982-49-4	Inhalation	LC50				Rat.	Slight irritation.

CLASSIFICATION OF INGREDIENTS

Carcinogenicity:

Not listed as a carcinogenicity by ACGIH, IARC, NTP, and OSHA.

CALIFORNIA PROPOSITION 65: This product contains no chemical known to the State of California to cause cancer.

Mutagenicity:

(989986-78-8) FLUORESCENT DYE (A): Perylene-based Dye: Negative results were obtained in the Ames test. Negative results were obtained in the micronucleus assay.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT

Comment:

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No data are available on this product.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Information:

DISPOSAL: Dispose of in accordance with all local, state, and federal regulations.

GENERAL STATEMENTS: Federal regulations may apply to empty container. State and/or local regulations may be different.

SPECIAL INSTRUCTIONS: Be sure to contact the appropriate government environmental agencies if further guidance is required.

14 TRANSPORT INFORMATION

DOT Information:

DOT LABEL: Not Applicable. DOT IDENTIFICATION NO.: Not Applicable; Nonregulated shipments by air under 49 CFR, IATA/ICAO AND IMO. Regulated by 49 CFR as a combustible liquid when packaged in containers of 119 gallons or more.

DOT Shipping Name:

Not regulated.

15 REGULATORY INFORMATION

LABELLING

Hazard Codes:

HMIS Health	1
HMIS Flammability	1
HMIS Reactivity	0
NFPA Health	1
NFPA Flammability	1
NFPA Reactivity	0

Comment:

NFPA assigned by General Motors Technical Review.

NATIONAL REGULATIONS

SARA 311/312: Yes

SARA 313: No

Immediate Health: Yes

Delayed Health: No

Fire: Yes

Sudden Pressure Release: No

Reactive: No

Other Regulation:

OSHA Hazard Communication Standard (29 CFR 1910.1200):

This product is not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

TSCA:

The chemical components of this product are contained on the Section 8(B) Chemical Substance Inventory List (40 CFR 710).

CERCLA:

No regulated ingredients.

SARA TITLE III INFORMATION: Ozone-Depleting Chemicals:

No regulated ingredients.

SARA TITLE III INFORMATION: Section 302 -

No regulated ingredients.

Extremely Hazardous Substances:

SARA TITLE III INFORMATION: Section 302-

Not applicable.

Reportable Quantity:

STATE/LOCAL REGULATIONS

Comment:

STATE RIGHT-TO-KNOW: Pennsylvania - New Jersey R-T-K: Lubricant Oil (NJ EIN/CAS: 80100312-5004P), Fluorescent Dye (A) (NJ EIN/CAS: 80100312-5000P), Fluorescent Dye (B) (NJ EIN/CAS: 80100023-5021P).

CALIFORNIA PROPOSITION 65: This product contains no chemical known to the State of California to cause cancer. CARCINOGEN:

None; TERATOGENIC: None; BOTH CARCINOGEN AND TERATOGENIC: None.

16 OTHER INFORMATION

Comments:

ADDITIONAL EXPOSURE LIMITS: GM Occupational Exposure Guidelines (OEG) and State-TWA's were provided by General Motors.