

GOULD INC RECORDING SYSTEMS DIV -- 23-5101-1 ELECTROSTATIC RECORDER TONER --  
6850-01-008-3781

===== Product Identification =====

Product ID:23-5101-1 ELECTROSTATIC RECORDER TONER

MSDS Date:08/01/1990

FSC:6850

NIIN:01-008-3781

MSDS Number: BLVBR

=== Responsible Party ===

Company Name:GOULD INC RECORDING SYSTEMS DIV

Address:3631 PERKINS AVE

City:CLEVELAND

State:OH

ZIP:44114-4632

Country:US

Info Pho

ne Num:716-853-7500

Emergency Phone Num:716-853-7500

CAGE:MO498

=== Contractor Identification ===

Company Name:GOULD INC RECORDING SYSTEMS DIV

Address:3631 PERKINS AVE

Box:City:CLEVELAND

State:OH

ZIP:44114-4632

Country:US

Phone:716-853-7500

CAGE:MO498

Company Name:GOULD INC., TEST AND MEASUREMENT GROUP

Address:8333 ROCKSIDE ROAD

Box:City:VALLEY VIEW

State:OH

ZIP:44125-6104

Country:US

Phone:216-328-7000

CAGE:96795

===== Composition/Information on Ingredients =====

Ingred Name:

CARBON BLACK  
CAS:1333-86-4  
RTECS #:FF5800000  
Fraction by Wt: 0.4%  
Other REC Limits:3.5 MG/M3  
OSHA PEL:3.5 MG/M3  
ACGIH TLV:3.5 MG/M3; 9192

Ingred Name:ISODODECANE (C10, C11 ISOPARAFFINIC HYDROCARBON)  
CAS:31807-55-3  
Fraction by Wt: 2-3%  
Other REC Limits:200 PPM

Ingred Name:HYDROTREATED HEAVY NAPHTHA  
CAS:64742-48-9  
Fraction by Wt: 96.5-97%  
Other REC Limits:300 PPM

Ingred Name:HEAVY AROMATIC NAPHTHA  
CAS:64742-94-5  
Fraction by Wt: 0.6-1.0%  
Other REC Limits:100 PPM

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Hazard Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION: MAY CAUSE MUCOUS  
MEMBRANE IRRITATION, AND CNS EFFECTS. EYE:IRRITATION.  
SKIN:DEFATTING OF THE SKIN AND IRRITATION. INGESTION: MAY CAUSE  
DIARRHEA, CNS DEPRESSION. SMALL AMOUNTS ASPIRATED INTO LUNGS MAY  
RESULT IN SEVERE PULMONARY INJURY OR DEATH. CHRONIC:DERMATITIS,  
CHEMICAL PNEUMONITIS, KIDNEY DAMAGE.  
Explanation of Carcinogenicity:THIS PRODUCT HAS NOT SHOWN ANY EVIDENCE  
OF BEING CARCINOGENIC.  
Effects of Overexposure:OVEREXPOSURE MAY LEAD TO RESPIRATORY  
IRRITATION, NAUSEA, FATIGUE, DIZZINESS, HEADACHES, CENTRAL NERVOUS  
SYSTEM EFFECTS, RESPIRATORY ARREST, OR UNCONSCIOUSNESS, DERMATITIS  
AND EYE IRRITATION.  
Medical Cond Aggravated by Exposure:SKIN, KIDNEY AND RESPIRATORY  
DISEASES.

=====  
First Aid Measures =====

Fir

st Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: REMOVE TO FRESH AIR & RESTORE BREATHING IF NECESSARY. GET MEDICAL ATTENTION. EYE :IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. INGESTION:GET IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS.

=====  
===== Fire Fighting Measures =====

F

Flash Point Method:TCC

Flash Point:100F,38C

Lower Limits:0.8%

Upper Limits:7%

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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===== Accidental Release Measures =====

Spill Release Procedures:EVACUATE AREA. WEAR PROTECTIVE EQUIPMENT AND SCBA. SHUT OFF SOURCE, IF POSSIBLE CONTAIN SPILL. PROTECT FROM IGNITION. KEEP OUT OF WATER SOURCES AND SEWERS. ABSORB IN A DRY, INERT MATERIAL. TRANSFER TO DISPOSAL DRUMS USING NON-SPARKING EQUIPMENT.

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===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED AREA AWAY FROM SOURCES OF IGNITION. KEEP CONTAINERS CLOSED WHEN NOT IN USE. EMPTY CONTAINERS MAY BE HAZARDOUS.

Other Precautions:AVOID CONTACT WITH EYES, SKIN, OR CLOTHING. AVOID BREATHING VAPORS. WEAR PROTECTIVE EQUIPMENT AND/OR GARMENTS. WASH THOROUGHLY AFTER HANDLING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. PROVIDE MEANS OF CONTROLLING LEAKS AND SPILLS.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR. AIR-SUPPLIED OR FILTERING TYPE WITH OR

ORGANIC VAPOR CARTRIDGES ARE RECOMMENDED FOR  
CONCENTRATIONS EXCEEDING THE RECOMMENDED EXPOSURE LEVEL.  
Ventilation:LOCAL AND MECHANICAL EXHAUST RECOMMENDED. AVOID OPEN  
ELECTRICAL SOURCES NEAR PRODUCT VAPOR AREAS.  
Protective Gloves:NEOPRENE, NITRILE, OR POLYVINYL ALCOHOL  
Eye Protection:USE CHEMICAL SAFETY GOGGLES & FACESHIELD  
Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.  
Work Hygienic Practices:DO NOT TAKE INTERNALLY. AVOID SKIN CONTACT.  
WASH SKIN AFTER USING PRODUCT. DO NOT  
EAT, DRINK OR SMOKE IN WORK  
AREA.  
Supplemental Safety and Health  
NONE

===== Physical/Chemical Properties =====

HCC:F4  
Boiling Pt:=148.9C, 300.F  
B.P. Text:300F,149C  
Vapor Pres:1  
Spec Gravity:0.75-0.80  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:BLACK LIQUID, MILD ISOPARAFFINIC HYDROCARBON ODOR.  
Percent Volatiles by Volume:>99

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING  
AGENTS  
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES  
OF IGNITION  
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE AND  
OTHER HYDROCARBON COMPOUNDS DURING COMBUSTION.

===== Disposal Considerations =====

Waste Disposal Methods:WASTE MAY BE BURNED IN AN APPROVED INCINERATOR  
OR DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND  
FEDERAL LAWS AND REGULATIONS.

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