

SECTION 1 - CHEMICAL**TRADE NAME:** Luminol**PRODUCT ID:** FS-LCLUM**DATE:** 7 July 2015**SUPERSEDES DATE:** 28 Feb. 2003**MANUFACTURER:** The Hitt Companies, Inc.**ADDRESS:** 3231 W. MacArthur Blvd.
Santa Ana, CA 92704
Ph. 714-979-1405

The public cannot use the chemical; trained professionals use the chemical only.

24/7 EMERGENCY PHONE: INFOTRAC 1-800-535-5053 or 1-352-323-3500**24/7 HEALTH EMERGENCIES:** 800-222-1222 National Poison Control Center.**SECTION 2 - HAZARDS IDENTIFICATION****GHS:****GHS SIGNAL WORD:****POTENTIAL HEALTH EFFECTS**

Avoid contact with eyes and skin. Keep out of reach of children.

The product may be harmful if it is inhaled or swallowed.

CODE OF HAZARD STATEMENTS:

General

H290-May be corrosive to metals.

Health Hazards

H312-Harmful in contact with skin.

H319-Causes serious eye irritation.

H332: Harmful if inhaled

H335: May cause respiratory irritation (respiratory tract irritation, narcotic effects)

H336: May cause drowsiness or dizziness (respiratory tract irritation, narcotic effects)

Environmental hazards

CODE OF PRECAUTIONARY STATEMENTS:

General

P101-Keep out of reach of children.

Prevention statements

P202-Do not handle until all safety precautions have been read and precautions and understood.

P261-Avoid breathing fume/gas/mist/vapor spray.

P262-Do not get in eyes, on skin or on clothing.

P264-Wash thoroughly after handling.

P270-Do not eat, drink or smoke when using this product.

P271: Use only outdoors or in a well-ventilated area.

P280-Wear protective gloves/protective clothing/eye protection/face protection.

Response statements

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P312-Call a POISON CENTER or doctor/physician if you feel unwell.

P331-DO NOT induce vomiting.

P340, Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P352, Wash with plenty of soap and water.

P362, Take off contaminated clothing and wash before reuse.

Storage

P403-Store in a well-ventilated area.

P405: Store locked up.

ROUTES OF ENTRY: Eye and Skin contact

CARCINOGENICITY: None

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	NECS #	EI %	REACH Reg. #
Sodium Carbonate	497-19-8	7-838-8	20 4.757	Yes
3-Aminophthalhydrazide	521-31-3		208-309-4 .095	No

SECTION 4 - FIRST AID MEASURES

INHALATION: Remove subject to fresh air. If not breathing, give artificial respiration. If breathing give oxygen.

EYE CONTACT: Rinse with water for at least 15 minutes while lifting the eyelids. Get immediate medical attention.

SKIN CONTACT: Wash with copious amounts of soap and water.

INGESTION: Wash out mouth with water. Call a physician immediately.

SECTION 5 - FIREFIGHTING MEASURES

FLASHPOINT AND METHOD: N/A

FLAMMABLE LIMITS: UEL: N/A LEL: N/A

EXTINGUISHING METHOD: Appropriate for surrounding fire, materials, and conditions.

FIRE OR EXPLOSION HAZARDS: None Known

SPECIAL FIREFIGHTING PROCEDURES: Wear SCBA. Emits toxic fumes under fire conditions

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Take up with inert material. Wash spill area with water.

SECTION 7 - HANDLING AND STORAGE

STORAGE METHOD: Store in closed containers in a cool, dry, well-ventilated location.

HANDLING AND STORAGE PRECAUTIONS: Avoid prolonged or repeated exposure.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Chemical safety goggles

SKIN PROTECTION: Chemical resistant gloves

RESPIRATORY PROTECTION: NIOSH approved dust/mist respirator

OCCUPATIONAL EXPOSURE LIMITS: OSHA PEL TWA; N/A

ENGINEERING CONTROLS: Mechanical as needed; eye wash station, safety shower

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Color: Pale, Clear liquid

Odor: Negligible odor

Melting point: 32°F

Boiling point/boiling range: 212°F **Specific gravity:** 1.0743

Solubility (water): Complete **Vapor Density:** As Water

Volatile Organic Content: 95.148% **Vapor Pressure (mmHg):** As water

SECTION 10 - REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: No

INCOMPATIBLES: Strong Acids

DECOMPOSITION PRODUCTS: Carbon oxides

SECTION 11 - TOXICOLOGICAL/ECOLOGICAL INFORMATION

Oral LD_{50 (rat)} = 4090 mg/kg.

Inhalation LC_{50(rat)} = 2300 mg/m³

The significant routes of exposure are eyes, skin, ingestion and inhalation.

SECTION 12 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Incinerate in accordance with all regulations.

SECTION 13 - TRANSPORTATION INFORMATION

US DOT (ground) SHIPPING NAME: Not Regulated

SECTION 14 - REGUL**OSHA STATUS:** Harmful by inhalation, ingestion and eye contact**TSCA STATUS:** Sodium Carbonate, 3-Aminophthalhydrazide**CERCLA REPORTABLE QUANTITY:** This product does not contain any components with a CERCLA RQ**CALIFORNIA PROPOSITION 65:** This product does not contain cancerous components according to the state of California**RCRA STATUS:** None**SARA TITLE III:****SECTION 302 E**

with a SARA RQ

Section 313 TOXIC CHEMICALS: This product does not contain any toxic components**RIGHT TO KNOW:** None**EUROPEAN COMMUNITY:** Ingredients are not listed on the inventory**WHMIS:****SECTION 15 – OTHER INFORMATION/APPROVALS**National Fire Protection Association (NFPA)
NFPA

	0 Least
1 Health	1 Slight
0 Flammability	2 Moderate
2 Instability	3 High
	4 Severe

SECTION 16 – ABBREVIATIONS /DISCLAIMER**REASON FOR ISSUE:** This is a new SDS that complies with GHS regulations (Section 2 pictograms) and REACH compliance (Section 3).**APPROVAL DATE:** 28 July 2015**PREPARED BY:** Neil Jacob**REVIEWED BY** James Seidel**ABBREVIATIONS:**

CAS # Chemical Abstract Service Number

°C Celsius temperature scale

Prop. Proprietary

TLV Threshold Limit Value

STEL Short-term Exposure Limit P

OSHA Occupational Safety & Health

NFPA National Fire Protection Agency
Information System

NTP National Toxicology Program

RCRA Resource Conservation Recovery ACT

Ec₅₀ Effective DoseLD₅₀ Lethal Dose

LEL Lower explosive limit

NDA No Data Available

NE None established

< Less Than or Equal To

CNS Central Nervous System

DSL Canada

EEC European Economic Commission

EU European Union

EINECS European Inventory of existing
Commercial Chemical Sales

°F Fahrenheit temperature scale

PE Personal Protective Equipment

TWA Time Weighted Average

EL Permissible Exposure Limit

NIOSH National Institute of Safety & Health

WHMIS Workplace Hazardous Materials

IARC Int. Agency for Research on Cancer

TSCA Toxic Substance Control Act

LC₅₀ Lethal Inhalation Concentration

CAS Chemical Abstract Service Number

UEL Upper explosive limit

ND Not determined

NA Not Applicable

> Greater Than or Equal To

CI China

ECL Korean Existing Chemicals List

ENCS Japanese Existing and New Chemical List

MAC Netherlands

SAFETY DATA SHEET

Luminol

MAK Germany

PICCS Philippines

UK United Kingdom

VOC Volatile organic content

ACGIH American Conference of Government Industrial Hygienists

SARA Superfund Amendments and Reauthorization Act

AICS Australian Inventory of Chemical Substances

IARC International Agency for Research on Cancer

Taiwan List of Toxic Chemical Substances regulated under Taiwan Toxic Chemical Substances Control Act of 1086

MITI Japan

SWISS Giftliste 1

USA United States

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