

Material Safety Data Sheet

1 - Product and company information

Product name Lazer Spray Pattern Indicator

Product number 20CA9026 **Effective date** 05/13/2008

Company identification Sanco Industries, Inc
P.O. Box 11617
Fort Wayne, IN 46859
United States of America

Telephone (888) 697-2626
Chemtrec (24 Hour) (800) 424-9300

Preparer Health, Safety, and Environmental Department

Product description Colorant

2 - Composition / information on ingredients

<u>Chemical Name</u>	<u>CAS Number</u>
FD&C Yellow No. 5	0001934-21-0
C. I. Acid Blue 9, disodium salt	0003844-45-9

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

Notes: No Additional Information

3 - Hazards identification

Emergency overview

See below for product details

Acute health effects

Skin may discolor due to contact with pigment. ACID BLUE 9: May cause eye and skin irritation. Ingestion may cause irritation. Inhalation may cause respiratory tract discomfort.

Chronic health effects

See Section 15, Regulatory Information. See Section 11, Toxicological Information.

Signs/Symptoms of exposure

Irritation, Skin contact may discolor skin due to pigment

Routes of exposure/entry

Skin Contact, Inhalation, Ingestion, Eye Contact

Target organs

Eyes, Respiratory tract, Skin

Medical conditions aggravated by exposure

Pre-existing skin problems may be aggravated by prolonged or repeated contact.

Carcinogenic status

The components of this mixture are not known to be listed or regulated by IARC, NTP, OSHA or ACGIH.

Reproductive effects

None Expected

4 - First aid measures

If irritation or other symptoms (as noted above) occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Eye contact

Immediately flush eyes with plenty of clean water for an extended time, not less than fifteen (15) minutes. Flush longer if there is any indication of residual chemical in the eye. Ensure adequate flushing of the eyes by separating the eyelids with fingers and roll eyes in a circular motion.

Skin contact

Wash the affected area thoroughly with plenty of water and soap.

Inhalation

If affected, remove to fresh air.

Ingestion

Do not induce vomiting. Have patient drink several glasses of water. Do not give liquids if victim is unconscious, very drowsy or unable to swallow. Get medical attention immediately.

Notes to physician

Treat symptomatically.

5 - Fire fighting measures

NFPA flammability class: N/A

Flash point: Not Applicable

Explosive range: LEL Not Applicable
UEL Not Applicable

Notes: No Additional Information

Fire and explosive properties

This product is not known to present any fire hazard.

Extinguishing media

Carbon dioxide, foam, dry chemical, water.

Fire fighting instructions

Wear self-contained breathing apparatus (SCBA) equipped with a full facepiece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations.

Unusual fire/explosion hazards

None known.

6 - Accidental release measures**Containment techniques**

Contain spill. If spilled in an enclosed area, ventilate.

Clean-up techniques

Wear proper personal protective clothing and equipment. Do not flush liquid into public sewer, water systems or surface waters. Soak up large spill residue and small spills with an inert absorbent. Place into labeled, closed container; store in safe location to await disposal.

Evacuation instructions

Not Applicable

7 - Handling and storage**Handling**

Use under well-ventilated conditions. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Avoid eye contact. Avoid repeated or prolonged skin contact. Avoid drinking, tasting, swallowing or ingesting this product. Provide eyewash fountains and safety showers in the work area.

Storage

Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use. Store product where temperatures are between 50-100F (10-38C).

8 - Exposure controls / personal protection

Chemical Name	ACGIH - ----- TWA	ACGIH - ----- STEL	OSHA - ----- TWA	OSHA - ----- STEL
FD&C Yellow No. 5	N/E	N/E	N/E	N/E
C. I. Acid Blue 9, disodium salt	N/E	N/E	N/E	N/E

Notes: No Additional Information**Engineering controls**

Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation. (Ventilation guidelines/techniques may be found in publications such as Industrial Ventilation: American Conference of Governmental Industrial Hygienists, 1330 Kemper Meadow Drive, Cincinnati, OH, 45240-1634, USA.)

Eye/face protection

Safety glasses or goggles required.

Skin protection

Wear chemical resistant (impervious) gloves.

Respiratory protection

Respiratory protection is not needed with proper ventilation. Wear an approved respirator (e.g., an organic vapor respirator, a full face air purifying respirator for organic vapors, or a self-contained breathing apparatus) whenever exposure to aerosol, mist, spray, fume or vapor exceed the exposure limit(s) of any chemical substance listed in this MSDS.

General protection

No Additional Information

9 - Physical and chemical properties

Form	Liquid	pH	6.0 - 8.0
Appearance	Dark Green	% Volatile by weight	Not Applicable
Odor	None	Specific gravity	1.163 (typical)
Solubility in water	Soluble	VOC	Not Applicable
Evaporation rate	Nonvolatile		
Vapor pressure	Not Applicable	Boiling point °F	Not Available
		Boiling point °C	Not Available
Melting point	Not Available		
Vapor density	Same as water		

Partition coefficient Not Available

Notes: Amounts specified are typical and do not represent a specification.

10 - Stability and reactivity

Stability
This product is stable.

Hazardous polymerization
Hazardous polymerization will not occur.

Notes:
No Additional Information

Conditions to avoid
Do not freeze.

Incompatibility with other materials
No specific incompatibilities. Materials which are not compatible with water will not be compatible with this product.

Hazardous decomposition products
Carbon dioxide, Carbon monoxide

Additional reactivity / stability information
None

Thermal processing emissions
Not Applicable

11 - Toxicological information

Caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

<u>Chemical Name</u>	<u>LC50 Inhalation</u>	<u>Species</u>	<u>LD50 Oral</u>	<u>Species</u>	<u>LD50 Skin</u>	<u>Species</u>
FD&C Yellow No. 5	N/E		12750.00 mg/kg	Mouse	N/E	
C. I. Acid Blue 9, disodium salt	N/E		>2000.00 mg/kg	Rat/ adult	N/E	

<u>Chemical Name</u>	<u>LC50 Inhalation</u>	<u>Species</u>	<u>LD50 Oral</u>	<u>Species</u>	<u>LD50 Skin</u>	<u>Species</u>
FD&C Yellow No. 5	N/E		N/E		N/E	
C. I. Acid Blue 9, disodium salt	N/E		N/E		N/E	

No toxicity studies have been conducted on this product.

As with all chemicals for which test data are limited or do not exist, caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

ACID BLUE 9: Lifetime feeding studies in rats and mice indicate that Acid blue 9 is not carcinogenic. The no-observed-adverse-effect levels (NOAEL) in these studies were highest dose tested in male rats (1072 mg/kg/day) and both sexes of mice (7354-8966 mg/kg/day); the NOAEL in female rats was 631 mg/kg/day based on decrements in terminal body weight and survival. No reproductive or developmental effects have been observed in rats or rabbits. Human patch tests have not shown any evidence of sensitization or photosensitization.

12 - Ecological information

No ecological testing has been conducted on this product.

ACID BLUE 9:
% BOD after 7 days = 77

12 days = 84

20 days = 88

Notes: No Additional Information

13 - Disposal information

For waste disposal purposes, this product is not known to be defined or designated as hazardous by current provisions of the Federal (EPA) Resource Conservation and Recovery Act (RCRA, 40CFR261). Incinerate waste product when in liquid form (i.e., as supplied) in a properly permitted (approved) incineration facility in accordance with federal, state and local regulations. Liquids cannot be disposed of in a landfill.

US RQ

Not Applicable

14 - Transportation information

UN/NA Number:	N/A	Hazard Class:	N/A	IMDG Class:	N/A
Packing Group:	N/A	ICAO/IATA Class:	N/A	TDG Class:	N/A

Name of Material: Not regulated**Notes:** No Additional Information

15 - Regulatory information

This MSDS has been prepared in accordance with the hazard criteria of the OSHA Hazard Communication Standard, 29 CFR 1910.1200

U.S. Toxic Substances Control Act:

All components of this product are either listed on the U.S. Toxic Substances Control Act (TSCA) inventory of chemicals or are otherwise compliant with TSCA regulations.

U.S. CERCLA – SARA:**SARA Title III Section 312 Hazard Category (40 CFR 311/312):**

Immediate health hazard, Chronic health hazard

SARA Section 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372:

None Known

California Proposition 65:

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards:

None known to be present or none in reportable amounts for occupational exposure as per OSHA's approval of the California Hazard Communication Standard, Federal Register, page 31159 ff, 6 June 1997.

The chemical identity of some or all components present is confidential business information (trade secret) and is being withheld as permitted by 29CFR1910.1200 (i).

Canadian Domestic Substances List (DSL):

All components in this product are on the Canadian Domestic Substances List (DSL) or are exempt from listing.

Canadian Ingredient Disclosure List:

The following components are on the Canadian Ingredient Disclosure List (WHMIS):

None Listed

Canadian WHMIS Class:

Not controlled

Notes: No Additional Information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

16 - Other information

Notes: No Additional Information

HMIS Rating

Health: 1 **Flammability: 1** **Reactivity: 0** **Personal Protection: X**

NFPA Rating

Health: 1 **Flammability: 1** **Reactivity: 0**

Key: 0=Insignificant; 1=Slight; 2=Moderate; 3=High; 4=Extreme

Hazardous Materials Identification System (HMIS), National Paint and Coating Assn. rating applies to product "as packaged" (i.e., ambient temperature). Ratings are based upon HMIS® Rating Manual 1984. Values do not reflect HMIS® III.

National Fire Protection Association (NFPA) rating identifies the severity of hazards of material during a fire emergency (i.e., "on fire").

Legend:

*	Trademark owned by Emerald Performance Materials, LLC.
ACGIH:	American Conference of Governmental Industrial Hygienists
A1:	Confirmed human carcinogen
A2:	Suspected human carcinogen
A3:	Animal carcinogen
CAS No:	Chemical Abstract Service Registry Number
IARC:	International Agency for Research on Cancer
Group 1:	Carcinogenic to humans
Group 2A:	Probably carcinogenic to humans
Group 2B:	Possibly carcinogenic to humans
Group 3:	Unclassified as a carcinogen to humans
MSHA:	Mine Safety and Health Administration
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
N/A:	Not Applicable
N/E:	None Established
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
PNOC:	Particulates Not Otherwise Classified
RTK:	Right To Know
STEL:	Short Term Exposure Limit (15 minute Time Weighted Average)
TLV:	Threshold Limit Value
C:	Ceiling Limit
S:	Skin notation refers to the potential significant contribution to the overall exposure by the cutaneous route including mucous membranes and the eyes and by direct skin contact with the substance

WHMIS: Canadian Workplace Hazardous Materials Information System

Users responsibility/disclaimer of liability

As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This bulletin cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. It is your responsibility to develop appropriate work practice guidelines and employee instructional programs for your operation.