

MATERIAL SAFETY DATA SHEET

Lemon-Lime Scratch & Sniff Ink

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MSDS101 Revision 2
Revision Date 10/10/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Lemon-Lime scratch and sniff ink.
Description Lemon-Lime scented scratch and sniff over print varnish.
Company LCR Hallcrest
1911 Pickwick Lane
Glenview
IL 60026
Telephone +1 847 998 8580
Fax +1 847 998 6866
Emergency telephone number +1 847 998 8580
Intended use Labels and packaging where a lemon-lime scented scratch and sniff effect is desired.

2. HAZARDS IDENTIFICATION.

Statement of Hazard Combustible liquid and vapors
Properties Color Clear, colorless
Odor Ammonia
State Liquid

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients	Concentration	CAS#
Ammonia solution	1 - 10%	1336-21-6
Isopropanol (2-Propanol)	1 - 10%	67-63-0
1,2-Propanediol	1 - 10%	57-55-6

4. FIRST AID MEASURES

Skin contact May cause irritation to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Eye contact May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Inhalation May cause irritation to mucous membranes. Move the exposed person to fresh air.

Ingestion May cause irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

5. FIRE FIGHTING MEASURES

Extinguishing media Use extinguishing media appropriate to the surrounding fire conditions.
Fire hazards Burning produces irritating, toxic and obnoxious fumes.
Protective equipment Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation of the working area.
Environmental precautions Do not allow product to enter drains. Prevent further spillage if safe.
Clean up methods Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. HANDLING AND STORAGE

Handling Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
Storage Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labeled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits
Isopropanol (2-Propanol) ACGIH TLV TWA: 200 ppm
Notations: A4 OSHA PEL 8hr TWA mg m3: 980
ACGIH TLV STEL: 400 ppm
OSHA PEL 8hr TWA ppm: 400

Engineering measures Ensure adequate ventilation of the working area.
Hand protection Chemical resistant gloves (PVC)
Eye protection In case of splashing, wear: Approved safety goggles.
Protective equipment Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description Liquid
Color Clear, colorless
Odor Ammonia
Flash Point >93°C

Relative Density 1.018
VOC (Volatile Organic Compounds) 40.5 g/l

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Ammonia solution Oral Rat LD50 = 350 mg/kg
1,2-Propanediol Oral Mouse LD50 = 20300 mg/kg
Oral Rat LD50 = 20 gm/kg
Dermal Rabbit LD50 = 20800 mg/kg

12. ECOLOGICAL INFORMATION

No data at this time.

13. DISPOSAL CONSIDERATIONS

General information Dispose of in compliance with all local and national regulations.

14. TRANSPORT INFORMATION

Further information The product is not classified as dangerous for carriage.

15. REGULATORY INFORMATION

Inventories

Ingredient	TSCA	MA	SARA313	CALPROP65	CWA307	CAA112	CWA311	SARA302	SARA304
Ammonia solution...%	Y	N	N	N	N	N	Y	N	N
Propan-2-ol	Y	N	Y 1.0	N	N	N	N	N	N
1,2-Propanediol	Y	Y	N	N	N	N	N	N	N

16. OTHER INFORMATION

Statement of Hazard Combustible Liquid and Vapor

Further information The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Maximum content of VOC 40.5 g/l

HMIS LABELLING HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0 PERSONAL PROTECTION: B .