

## MATERIAL SAFETY DATA SHEET

### Orange Scratch & Sniff Ink

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MSDS100 Revision 2  
Revision Date 10/10/2014

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Orange scratch and sniff ink.  
**Description** Orange 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 an orange 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 ACGIH TLV STEL: 400 ppm  
Notations: A4 OSHA PEL 8hr TWA ppm: 400  
OSHA PEL 8hr TWA mg m3: 980

**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 .