

MATERIAL SAFETY DATA SHEET

POURGHAZIAN CRACK PAINT

HMIS - Health -2

HMIS - Fire - 3

HMIS - Reactivity -0

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

PRODUCT NAME:	Pourghazian` crack paint
PRODUCT CODE:	9005,1034,3013,9005,6004,5022,2002,8016,1026 ,3004,2005,9022,1036,2013,8029,1000
MANUFACTURER	Ranghe Tarake Tazene Asia
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INQUIRY PHONE NUMBER	+982188638001 - +77272629195
EMERGENCY PHONE NUMBER:	+989123241482 - +77011016966
DATE PREPARED MSDS	1. 2015
VERSION:	2 pourghazian

2. COMPOSITION / HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WT%
Toluene	108-88-3	20 - 25
Acetone	67-64-1	1 – 1.5
Isopropanol	67-63-0	5 - 10
Ethyl Acetate	141-78-6	0 - 5
Butyl Acetate	123-86-4	20 - 25
pigment	Proprietary	0 - 5
Nitro cellulose solution	Proprietary	30 - 40

3. HAZARDS

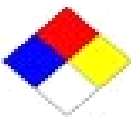
1	EYE CONTACT:	May cause eye irritation.
2	SKIN CONTACT:	May cause slight skin irritation. May be absorbed

		through the skin. Prolonged or repeated contact may cause an allergic skin reaction.
3	INHALATION	Prolonged or excessive inhalation may cause respiratory tract irritation.
4	INGESTION:	May be harmful if swallowed. May cause vomiting.
5	CHRONIC HEALTH EFFECTS:	Caution before use.
6	SIGNS / SYMPTOMS:	Overexposure may cause headaches and dizziness.
7	TARGET ORGANS:	No information regarding target organs was found.
8	PRE-EXISTING CONDITIONS:	No information regarding pre-existing conditions was found.

4. FIRST AID

1	EYE CONTACT	Flush eyes with large amounts of water for 15 minutes. Get medical attention if symptoms of overexposure or irritation persists.
2	SKIN CONTACT	Run a gentle stream of water over the affected area for 15 minutes.
3	INHALATION	Remove person from area of spill to a location with fresh air.
4	INGESTION	Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Contact a poison control center, emergency room or physician right away as further treatment may be necessary.

5. FIRE FIGHTING MEASURES

1	FLASH POINT:	41 ° F
2	EXTINGUISHING MEDIA:	Dry chemical, Carbon dioxide, Foam, Water spray for large fires.
3	PROTECTIVE EQUIPMENT:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.
4	SPECIAL FIREFIGHTING PROCEDURES:	None
5	UNUSUAL FIRE/EXPLOSION HAZARDS:	None
6	NFPA® 	<div style="border: 1px solid blue; padding: 2px; display: inline-block; margin-bottom: 10px;">HMIS-Health-2</div> <div style="border: 1px solid red; padding: 2px; display: inline-block;">HMIS-Fire-3</div>

	HMIS-Reactivity -0
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6. ACCIDENTAL RELEASE MEASURES

1	PERSONNEL PRECAUTIONS:	Use personal protective equipment.
2	ENVIRONMENTAL PRECAUTIONS:	Provide ventilation. Clean up spills immediately and observe precautions related to protective equipment.
3	SPILL CLEANUP MEASURES:	Avoid runoff into ditches, storm sewers and other waterways.

7. HANDLING AND STORAGE

1	HANDLING	Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling.
2	STORAGE	Store in a cool dry well ventilated area. Keep away from heat and flame.
3	HYGIENE	Avoid or minimize skin contact and inhalation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

1	ENGINEERING CONTROLS:	The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances
2	EYE / FACE PROTECTION:	Wear splash goggles on face to protect eyes.
3	SKIN PROTECTION:	Wear butyl rubber gloves, protective clothing and chemical resistant boots.
4	RESPIRATORY PROTECTION:	Select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers.
5	OTHER PROTECTIONS:	Facilities that store or utilize this material should be equipped with an eyewash facility and a safety shower.
6	PEL (OSHA) / TLV (ACGIH):	<p>Toluene (108-88-3) PEL (OSHA): 200 ppm (TWA) TLV (ACGIH): 20 ppm (TWA)</p> <p>Acetone (67-64-1) PEL (OSHA): 750 ppm (TWA), 1000 ppm (STEL) TLV (ACGIH): 500 ppm (TWA), 750 ppm (STEL)</p>

	<p>Isopropanol (67-63-0) PEL (OSHA): 400 ppm (TWA) TLV (ACGIH): 200 ppm (TWA), 400 ppm (STEL)</p> <p>Ethyl Acetate (141-78-6) PEL (OSHA): 400 ppm (TWA) TLV (ACGIH): 400 ppm (TWA)</p> <p>Butyl Acetate (123-86-4) PEL (OSHA): 150 ppm (TWA) TLV (ACGIH): 150 ppm (TWA); 200 ppm (STEL)</p> <p>NITROCELLULOSE MIX2 AQUEOUS ISOPROPANOL: OSHA PEL 400 ppm</p>
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9. PHYSICAL AND CHEMICAL PROPERTIES

1	PHYSICAL APPEARANCE:	Paste
2	COLOR	Different
3	FLASH POINT:	41°F or 5 c
4	BOILING RANGE:	176 - 482 °F or 80 – 250 c
5	DENSITY:	7.6 - 8.0 lbs/gal
6	MATERIAL VOC (as supplied):	5.6 lbs/gal 670 g/l
7	COATING VOC (EPA Method 24):	5.6 lbs/gal 670 g/l

10. STABILITY AND REACTIVITY

1	CHEMICAL STABILITY:	The risk for chemical reactivity is low to none.
2	HAZARDOUS POLYMERIZATION:	Hazardous polymerization will not occur.
3	MATERIALS TO AVOID:	None
4	DECOMPOSITION PRODUCTS (FIRE):	carbon monoxide; carbon dioxide

11. TOXICOLOGICAL INFORMATION

Toluene (108-88-3)	LD50 (oral rat): 930 mg/kg LC50 (inhalation rat): 9980 ppm (8 hr)
Acetone (67-64-1)	LD50 (oral rat): 5,800 mg/kg LC50 (inhalation rat): 50,100 mg/m3 (8 hr)
Isopropanol (67-63-0)	LD50 (oral rat): 5,045 mg/kg LC50 (inhalation rat): 16,000 ppm (8 hr)
Ethyl Acetate (141-78-6)	LD50 (oral rat): 5,620 mg/kg LC50 (inhalation rat): 19,596 ppm (4 hr)

Butyl Acetate (123-86-4)	LD50 (oral rat): 10,768 mg/kg LC50 (inhalation rat): 390 ppm (4 hr)
LD50 of a 5% NITROCELLULOSE AQUEOUS will >5000 mg/kg	

12. TRANSPORT INFORMATION

DOT UN Number	UN 1263
DOT Hazard Class:	Class 3 : Packing Group II
DOT Description/Name:	Name: Paint or Paint Related Material

13. REGULATORY INFORMATION

TSCA CERTIFICATION: SARA 313

14. OTHER INFORMATIONS

HMIS Key

4 = Severe Hazard
3 = Serious Hazard
2 = Moderate Hazard
1 = Slight Hazard
0 = Minimal Hazard

Acronyms and Abbreviations

ACGIH - American Conference of Governmental Industrial Hygiene (<http://www.acgih.org>) OSHA - U.S. Occupational Health and Safety Administration (<http://www.osha.gov>)
IARC - International Agency for Research on Cancer (<http://www.iarc.fr>) NTP - National Toxicology Program (<http://ntp.niehs.nih.gov>)
NIOSH - National Institute for Occupational Safety and Health (<http://www.cdc.gov/niosh>)

PEL -
Permissible
Exposure
Limit TLV -
Threshold
Limit Value
TWA - Time Weighted Average
(over 8 hour period) STEL -
Short Term Exposure Limit

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