

Isralak Production and
Marketing (1993) LTD

עמוד 1 מתוך 8
ישראלק ייצור
ושיווק (1993) בע"מ

Material Safety Data Sheet

According to 91/155 EEC

Product Name: Nitro lacquer

Printing Date: 27.12.2013

Reviewed on 27.12.2013

1. Identification of the substance, preparation and of the company / undertaking

- Product detail : Clear lacquer for wood
- Trade name : Nitro lacquer matt/ high gloss/ satin gloss
- Application of the substance/the preparation
- Manufacturer/Supplier: ISRALAK LTD
- Further information obtainable from: Health & Safety

2. Composition, information on ingredients

- Chemical characterization
- Description: Mixture of substances listed below with non hazardous additions
- Dangerous components

CAS 108-88-3 EINECS 203-625-9	toluene	Xn, F, R-11-38-48/ 20-63-65-67	5-10 %
CAS 123-86-4 EINECS 204-658-1	Buthyl acetate	Xn, F, R-10	10-20 %
CAS 108-65-6 EINECS 203-603-9	PMA	Xi, F, R-10-36	2-6 %
CAS 78-93-3 EINECS 201-159-0	MEK	Xi, F, R-11-36-66-67	2-6 %
CAS 1330-20-7 EINECS 215-535-7	Xylene	Xn, F, R-10-20/21-38	2-6 %
CAS 108-10-1 EINECS 203-550-1	MIBK	Xn, F, R-11-20 - 36/37-66	2-6 %
CAS 78-83-1 EINECS 201-148-0	IBU	Xi, F, R-10-37/38-67	2-6 %
CAS 141-78-6 EINECS 215-185-4	Ethyl acetate	Xi, F, R-11-36-66-67	4-8 %
EINECS 9004-70 CAS 603-037-01-3	Nitrocellulose	F, Xi, R11, S16-33- 37/39	15-20 %

-Additional information: for the wording of the listed risk phases refer to section 16

3. Hazard identification

Hazard description: F= Highly Flammable T= Toxic

Information concerning particular hazards for human and environment:

The product has labeled due to the calculation procedure of the "General Classification guideline for preparation of the EU" in the lasted valid version.

R 61 May cause harm to the unborn child

R 11 Highly flammable

R 36/37 Irritation to eyes and respiratory system

Classification system: The classification is according to the lasted edition of the EU-lists, and extended by company and literature data.

4. First aid measures

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- **After inhalation:** Supply fresh air, consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5. Fire-fighting measures

- **Suitable extinguishing agents:** CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** water, water with full jet..
- **Protective equipment:** No special measures required.

6. Accidental release measures

- **Person –related safety precaution:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
 - Prevent seepage into sewage system, work pits and cellars.
 - Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning / collecting:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to item 13.
 - Ensure adequate ventilation.
 - Do not flush with water of aqueous cleansing agents.

7. Handling and storage

- **Handling**
- **Information for safe handling:**
 - Ensure good ventilation / exhausting at the workplace.
 - Open and handle receptacle with care.
 - Prevent formation of aerosols.
- **Information about fire – and explosion protection:**
 - Keep ignition sources away- Do not smoke.
 - Protect against electronic charges.
 - Keep respiratory protective device available.
- **Storage:**
 - Requirements to be met by storerooms and receptacle:** Store in a cool location.
 - Information about storage in one common storage facility:** Not required.
 - Further information about storage conditions:**
 - Keep container tightly sealed receptacles.
 - Store in cool, dry conditions in well sealed receptacles.

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6. Exposure control/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

CAS 108-88-3 toluene	Short-term value: 574 mg/m ³ , 150ppm Long term value: 191 mg/m ³ , 50 ppm.
CAS 123-86-4 Buthyl acetate	150 ppm TWA8-OSHA&ACGIH 200 ppm STEEL- OSHA&ACGIH
CAS 108-65-6 PMA	275 ppm TWA8-OSHA&ACGIH 550 ppm STEEL- OSHA&ACGIH
CAS 78-9-3 MEK	200 ppm TWA8-OSHA&ACGIH 300 ppm STEEL- OSHA&ACGIH
CAS 1330-20-7 Xylene	100 ppm TWA-OSHA&ACGIH 150 ppm STEEL- OSHA&ACGIH
CAS 108-10-1 MIBK	100 ppm TWA-OSHA&ACGIH 75 ppm STEEL- OSHA&ACGIH
CAS 78-831 IBU	Short-term value: 231 mg/m ³ , 75ppm Long term value: 154 mg/m ³ , 50 ppm.
CAS 141-78-6 Ethyl acetate	400 ppm TWA-OSHA&ACGIH
CAS 1330-20-7 Nitrocellulose	Short-term value: 574 mg/m ³ , 150ppm Long term value: 191 mg/m ³ , 50 ppm.

Additional information: The list valid during the making was used as basis.

Personal protective equipment :

General protective and hygienic measure:

- Keep away from foodstuffs, beverages and feel.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.
- Avoid contact with the skin.
- Avoid contact with the eyes and skin.

Respiratory protection:

In case of brief exposure of low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands: Protective gloves: the material of gloves must be impermeable and resistant to the product/substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the chemical mixture.

Selection of the gloves material is depending with; penetration time, rates of diffusion and degradation.

Eye protection: Tightly sealed goggles

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9. Physical and chemical properties

General information

Form	Fluid
Color	According to product specification
Odor	Characteristic
Change in condition	
Melting point / range	-95
Boiling point / range	75-145 deg C
Flash point	< 21 Deg C
Ignition temperature	>370 deg C
Self- ignition	Product is not selfignition
Danger of explosion	Product is not explosive. However, formation of explosive air/ vapors mixture are possible
Explosion limits	
Lower	1.2 vol %
Upper	9.0 vol %
Vapor pressure at 20 deg C	29.0 hPa
Density	1
Solubility in/ Miscibility in water	Not miscible or difficult to mix
Solvent cont ent:	
Organic solvents	60-70%
Water	<1 %
Solids content	30-40 %

10. Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specification.

Dangerous reaction : No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

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11. Toxicological information

Acute toxicity :

LD/LC50 values relevant for classification:

108-88-3 toluene

Oral	LD50	5000 mg/kg(rat)
Dermal	LD50	12124 mg/kg(rat)
Inhalative	LD50 / 4h	5320 mg/kg(rat)

Primary irritant effect:

- on the skin: No irritation effect.
- on the eye : No irritation effect.
- Sensitization: No sensitization effect known.

12. Ecological information

General notes:

Water hazard class 1 (German Regulation) (Self- assessment) : hazardous for water
Do not allow product to reach ground water.
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if small quantities leak into the ground.

13. Disposal consideration

Product:

Recommendation: Must not be disposed together with garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation : Disposal must be according to official regulation.

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14. Transportation information	
Land transport ADR/RID (cross border)	
ADR/RID class:	3 Flammable
Danger code (Kemler) :	33
UN Number:	1263
Packaging group :	II
Hazard label :	3
Description of goods:	1263 PAINT RELATED MATERIALS
Maritime transport IMDG	
IMDG:	3
UN Number:	1263
Label:	3
Packaging group:	II
EMS Number:	F-E, S-E
Marine pollutant:	No
Proper shipping name:	PAINT
Air transport ICAO-TI and IATA-DGR	
ICAO/IATA Class:	3
UN/ID Number:	1263
Label:	3
Packaging group:	II
Proper shipping name :	PAINT

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15 Regulatory information

Labeling according to EU guidelines:

The product has been classified and marked in according with EU Directive / Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

F- Flammable

Xi- Irritant

Hazard-determining components of labeling:

Toluene

Risk –phases:

R 10- Flammable

R 36/37 Irritant for he eyes ,respiration and skin

R 61 Possible risk of harm to the unborn child

R 66 Repeated exposure may cause skin dryness or cracking

R 67 Vapours may cause drwsiness and dizziness

Safety phrases:

S 2 – Keep out of the reach of children.

S 3/7 -Keep in original package , good closing in cool place and circulation of the air

S 23 – Do not breathe gas/fumes/vapou/spray

S 24/25 – Avoid contact with the eyes and skin.

S 38/37/39 - Wear suitable protective clothing , gloves and eye/face protection.

S 38 – In case of insufficient ventilation, wear suitable respiratory equipment.

S 45- If during using the thinner you don't feel well go the an medical assistance with the can ,

National regulation:

Technical instruction (air):

Water hazard class: Water hazards CLASS 2 (Self –assessment): hazardous for water.

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Class	Share in %
NK	38.6

15. Other information

This information is based on our knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS: ISRALAK LTD- Health & Safety Department

For emergency information:

Contact: Avraham Gura

Phone : 972-4-8764444

Fax: 972-4-8767728

Mobile : 972-572-817181