

1. PRODUCT NAME: Rubber Solvent Blend
2. CHEMICAL NAME: Mixture
3. SYNONYMS:
4. CAS NUMBER: Mixture
5. COMPOSITION: n-Hexane (110-54-3)
19-26%
Hexane isomers – eg: dimethylbutane (107-83-5)
unknown
Cyclohexane (110-82-7)
0-3%
Heptane isomers – eg: isoheptane (591-76-4)
not known
Methyl Cyclohexane (108-87-5)
unknown
*Toluene (108-88-3)
2.5-4.5%
Octane (111-65-9)
unknown
Nonane (111-84-2)
unknown

IN CASE OF
TRANSPORT EMERGENCY
CONTACT CHEMTREC
USA: 1-800-424-9300
INTERNATIONAL: 1-703-527-3887

6. PROPERTIES: ODOR & APPEARANCE: clear, colorless liquid with mild gasoline-like odor
ODOR THRESHOLD: not known, probably below 50ppm
VAPOUR PRESSURE: approx. 110mmHg/14.7kPa (20 c)
EVAPORATION RATE (butyl Acetate=1): ~6
VAPOR DENSITY (air=1): ~3
BOILING RANGE: 71-135 c/159-275 F
FREEZING POINT: not known, but below -18 c/0 F
SPECIFIC GRAVITY: 0.71 (20/20 c)
WATER SOLUBILITY: 1 gram per litre
IN OTHER SOLVENTS: soluble in most organic solvents
VISCOSITY: not known – highly mobile liquid
PH: none – (does not liberate hydrogen ions when dissolved)
Note: This product is blend of petroleum distillates whose properties may vary depending on feedstock, refinery or source.
7. HAZARDS: HMIS (U.S.A.): Health – 1/2, Fire – 3, Reactivity - 0
MATERIAL USE: naphtha rubber solvent
8. FIRE FIGHTING INFORMATION: FLASH POINT: below 18 c/0 F (closed cup) – dangerously flammable under all conditions
AUTOIGNITION TEMPERATRE: not known, but above 200 c/390 F
FLAMMABLE LIMITS: 1% - 17% not known
COMBUSTION PRODUCTS: carbon monoxide, nitrogen oxides, smoke, part oxidized hydrocarbon fragments
FIREFIGHTING PRECAUTIONS: foam, dry chemical, water fog, water spray only to cool & dilute, product floats on water - water jet may spread flames; firefighters must wear SCBA
STATIC DISCHARGE: yes - accumulate a static charge



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MECHANICAL IMPACT: not sensitive
CHEMICAL STABILITY: stable; will not polymerize
REACTIVE WITH: strong oxidizing agents
DECOMPOSITION PRODUCTS: none from Hazardous Combustion Products

9. PERSONAL PROTECTION MEASURES: HANDS: "Viton" gloves recommended – consult supplier to confirm suitability
EYES: safety glasses with side shields – always protect the eyes
VENTILATION: ventilate to maintain workplace airborne hydrocarbon titre below 50ppm
CLOTHING: no special protective clothing required
10. FIRST AID PROCEDURES: SKIN: Wash with soap and plenty of water. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered.
EYES: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is irritation.
INHALATION: Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself! If breathing stops, administer artificial respiration and seek medical aid promptly.
INGESTION: Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.
NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The risk and danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.
11. EXPOSURE LIMITS: *n-Hexane (110-54-3)
19-26%
TWAEV ppm/mg/m3: 50/180
LD50 ORAL: 25,000
SKIN (mg/kg): not known
LC50ppm INHALATION: 48,000
*Hexane isomers – eg: dimethylbutane (107-83-5)
unknown
TWAEV ppm/mg/m3: 500/1800
LD50 ORAL: 10,000
SKIN (mg/kg): not known
LC50ppm INHALATION: not known
*Cyclohexane (110-82-7)
0-3%
TWAEV ppm/mg/m3: 100/480
LD50 ORAL: 813*
SKIN (mg/kg): 180,000
LC50ppm INHALATION: 20,000
*Cyclohexane (110-82-7)
0-3%
TWAEV ppm/mg/m3: 100/480
LD50 ORAL: 813*
SKIN (mg/kg): 180,000
LC50ppm INHALATION: 20,000
*Heptane isomers – eg: isoheptane (591-76-4)
not known
TWAEV ppm/mg/m3: not listed



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LD50 ORAL: not known
SKIN (mg/kg): not known
LC50ppm INHALATON: 19,500
*Methyl Cyclohexane (108-87-5)
unknown
TWA EV ppm/mg/m³: 400/1600
LD50 ORAL: 2250
SKIN (mg/kg): 87,000
LC50ppm INHALATON: 15,200
*Toluene (108-88-3)
2.5-4.5%
TWA EV ppm/mg/m³: 50/187
LD50 ORAL: 640*
SKIN (mg/kg): 12,200
LC50ppm INHALATON: 400*
*Octane (111-65-9)
unknown
TWA EV ppm/mg/m³: 300/1450
LD50 ORAL: not known
SKIN (mg/kg): not known
LC50ppm INHALATON: 24,400
*Nonane (111-84-2)
unknown
TWA EV ppm/mg/m³: 200/1050
LD50 ORAL: not known
SKIN (mg/kg): not known
LC50ppm INHALATON: 3200

12. TOXICOLOGICAL EFFECTS ACUTE EXPOSURE

INFORMATION: SKIN CONTACT: removes oil from skin and may irritate and cause redness
SKIN ABSORPTION: slight; no toxic effects likely by this route
EYE CONTACT: may irritate, may redden eyes, will not damage eyes
INHALATION: vapor may irritate, central nervous effects may include headache, dizziness, drowsiness, intoxication; very high concentrations may cause coma
INGESTION: irritation of mouth and throat; nausea, vomiting, and possible diarrhoea

EFFECTS OF CHRONIC EXPOSURE

GENERAL: prolonged exposure may cause skin cracking and dermatitis; liver and kidney damage is a possible, but unlikely result of excessive exposure
SENSITISING: not a sensitizer
REPRODUCTIVE EFFECT: no known effect in humans; toluene is a known rodent reproductive toxin
SYNERGISTIC WITH: ketones
ESTIMATED LD50: impossible to calculate without accurate composition information LD50 is likely to be above 5000mg/kg (oral) and above 10,000mg/kg (skin)
ESTIMATED LC50: impossible to calculate without accurate composition information LC50 is likely to be above 10,000ppm (inhalation)

13. ECOLOGICAL ENVIROINFO: this product cannot accumulate in living tissue – This product is readily and rapidly biodegradable in the presence of oxygen; no rate information can be estimated for this product, but volatilization from water is likely to be rapid (half-life less than one day); half-life for abiotic degradation in air likely to be ~4 days



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14. **DISPOSAL CONSIDERATIONS:** DO NOT FLUSH TO SEWER; may be incinerated in approved facility
15. **CARCINOGENIC PROPERTIES & NOTIFICATIONS:** Not considered a tumorigen or a carcinogen in humans or animals (although this product does contain small amounts of benzene, this is too low to pose a cancer risk)
California Proposition 65: **WARNING:** This product contains the following chemicals which are known to the State of California to cause cancer, birth defects, or other reproductive harm and are subject to the requirements of California Proposition 65 – Toluene (developmental toxicant), Benzene (cancer)
16. **TRANSPORT INFORMATION:** USA 49 CFR
Product identification number: UN – 1268
Shipping name: Petroleum Distillates N.O.S. (naphtha)
Classification: Class 3; Packing group II
Label: flammable liquids, Class 3
Class: B2, D 2B
17. **HANDLING & STORAGE:** Store in the shade, in a cool (below 50 c), dry environment, away from sources of ignition, heat and oxidizing agents. Always ground the container before handling to prevent static discharge. This product is highly flammable. Take extreme care to avoid sparks – use non-sparking bronze tools and explosion-proof electrical equipment nearby. Use with adequate ventilation. Do not cut, drill, weld or grind on or near this container. Avoid prolonged contact with skin and wash work clothes frequently. An eye bath and safety shower should be available near the workplace.
18. **ACCIDENTAL RELEASE MEASURES:** **LEAK PRECAUTION:** dyke to control spillage and prevent environmental contamination. Serious Fire Potential: blanket spill with foam as a precaution against accidental ignition. Take extreme care to avoid sparks – do not operate (turn on OR off) electrical appliances near spill, unless explosion proof.
HANDLING SPILL: ventilate contaminated area; recover free liquid with suitable pumps; absorb on an inert sorbent, sweep, & pick up using non-sparking plastic or aluminium shovels, & store in closed containers for recycling or disposal
19. **REGULATORY INFORMATION:** SARA Section 313 – Toxic Chemicals: This product contains n-Hexane, Toluene, and Cyclohexane which are subject to the reporting requirements of SARA 313 & 40 CFR 372.
SARA Section 311/312 Hazard Categories: Meets the criteria “Acute”, “Chronic”, and “Fire” as defined by 40 CFR, Part 370 as established by Section 311 and 312 of SARA.
SARA Section 302, Extremely Hazardous Substances: This product is not known to contain over 1% of any substance listed as extremely hazardous in 40 CFR Part 335 as established by Section 302 of SARA
CLEAN WATER ACT
Pursuant to Section 311(b) (4) of the CWA, discharges of petroleum or petroleum products of any kind surface waters must be reported immediately to the National Response Centre (800) 424-8802
CERCLA Hazardous Substances
This product contains the hazardous substances as identified in 40 CFR Part 302 as required by Section 102(a) of CERCLA – “n-Hexane”, “Toluene”, and “Cyclohexane”.



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