



SAFETY DATA SHEET

IPSOL 150

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

Product name: IPSOL 150

Recommended use: Chemical for industry

Manufacturer/Supplier: **MODERN CHEMICAL Co.Ltd.**
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2. HAZARDS IDENTIFICATION

Label elements

Pictogram



Signal word

Danger

Hazard statement(s)

- 1.) Causes skin irritation.
- 2.) May be fatal if swallowed and enters airways.
- 3.) May cause drowsiness or dizziness.
- 4.) Toxic to aquatic life with long lasting effects.
- 5.) May damage the unborn child. Suspected of damaging fertility.

Precautionary statement(s)

- 1.) Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- 2.) Avoid release to the environment.
- 3.) IF SWALLOWED: call a doctor/physician. Do NOT induce vomiting.



4.) IF IN EYES: Rinse cautiously with water for 15 minutes.

5.) IF ON SKIN Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonym: Supersol1800, Solvesso 150, Shellsol AB

Ingredients	% (w/w)	CAS NO.
IPSOL 150	100	64742-94-5

4. FIRST AID MEASURES

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation: Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

Skin contact: Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

Eye contact: Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion: Seek immediate medical attention. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Do not discharge extinguishing waters into the aquatic environment.

Unsuitable Extinguishing Media: Straight streams of water

Specific hazards arising from Chemicals:

Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

Special protective equipment for fire-fighters

Wear full protective clothing and self-contained breathing apparatus.



6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for Personal Protective Equipment.

Environmental Precautions:

Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

Methods and Material for Containment and Clean Up:

Land Spill: Stop leak if you can do so without risk. Do not touch or walk through spilled material. Large Spills: Water spray may reduce vapour, but may not prevent ignition in enclosed spaces. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants. Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted.

7. HANDLING AND STORAGE

Precautions for Safe Handling & Product Transfer:

Keep container tightly closed. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. Do not empty into drains.

Conditions for Safe Storage & Unsuitable Materials:

Keep tightly closed at room temperature in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Keep out of direct sunlight and way from incompatible material. Store in original container. Electrical equipment should be protected to the appropriate standard.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: TWA 100 ppm (55 mg/m³)

Appropriate Engineering Controls: The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Ventilation hoods and fans required when working with organic solvents or in hot melt applications.

Individual Protection Measures

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Required when vapor/aerosols are generated filter A (acc. To DIN 3181) for vapors of organic compounds.

Hand protection: Handle with gloves. In case full contact wear gloves from butyl rubber material, in splash contact wear gloves from natural rubber material. The select protective gloves have to satisfy the specifications of EU Directive 89/686 EEC and standard EN 374 derived from it.

Eye protection: Goggles giving complete protection to eyes.

Skin and body Protection: Chemical resistant apron / flame retardant antistatic protective clothing, heavy duty work shoes.

Hygiene measure: Ventilation hoods and fans required when working with organic solvents or in hot melt applications. Keep working clothes separately. Keep away from food, drink and animal feeding stuffs.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form, Color and Odor : liquid, colourless, characteristic	Evaporation rate: 4 (n-Bu Acetate = 100)
Melting Point : N/A	Specific gravity : 0.885-0.905 g/cm ³ at 15 °C
pH : N/A	Solubility in water : Not Soluble
Boiling point : 179-216 °C	Viscosity : 1.26 mm ² /sec at 25 °C
Vapour pressure : 0.3 kPa at 38 °C	Vapour density : > 1
Lower explosive limits: 0.6 %Vol	Upper explosive limits: 7.0 %Vol
Auto-ignition temperature: 504 °C	Flash Point: 65°C
Odour threshold: N/A	Flammability (solid, gas): N/A
Decomposition temperature: N/A	Solubility in other solvents: N/A
n-octanol/water partition coefficient (log P_{ow}): N/A	



10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions of use.
Reactions:	No data available
Possibility of Hazardous Reactions:	No data available
Conditions to Avoid:	Open flames and high energy ignition sources.
Materials to avoid:	Strong oxidisers
Hazardous Decomposition Products:	Material does not decompose at ambient temperatures.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	LD50 Oral - rat - >6000 mg/kg
Sensitization:	May be harmful if inhaled. May cause respiratory tract irritation. May be harmful if swallowed. May be harmful if absorbed through skin. May cause skin irritation. Causes eye irritation.
Chronic toxicity:	Vapour concentrations above recommended exposure levels are irritating to the eyes and the respiratory tract, may cause headaches and dizziness, are anaesthetic and may have other central nervous system effects. Prolonged and/or repeated skin contact with low viscosity materials may defat the skin resulting in possible irritation and dermatitis. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema.

Further toxicological information: No data available

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish:	LC50 - Lepomis macrochirus - 1.300 mg/l - 96 h
Toxicity to algae	IC50 - Desmodesmus subspicatus (green algae) - > 100 mg/l - 24 h
Toxicity to bacteria	LC50 - Pseudomonas putida - 1.170 mg/l - 16 h

Biodegradability Remarks: According to the results of tests of biodegradability this product is considered as being readily biodegradable.



- Bioaccumulative Potential:** Expected to be inherently biodegradable. Transformation due to hydrolysis not expected to be significant. Transformation due to photolysis not expected to be significant. Expected to degrade rapidly in air
- Mobility:** Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.
- Affected in any other way:** No data available

13. DISPOSAL CONSIDERATIONS

- Material Disposal:** Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses. Waste product should not be allowed to contaminate soil.
- Container Disposal:** Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not, puncture, cut, or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

14. TRANSPORT INFORMATION

LAND

UN-No: 3082 Class: 9 Packing Group: III

Hazchem Code: 3Z

Label(s) / Mark(s): 9, EHS

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

SEA (IMDG)

UN-No: 3082 Class: 9 Packing Group: III

EMS Number: F-A, S-F

Label(s): 9

Marine Pollutant: Yes

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

Transport Document Name: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Naphthalene), 9, PG III, MARINE POLLUTANT



AIR (IATA)

UN-No: 3082

Class: 9

Packing Group: III

Label(s) / Mark(s): 9, EHS

Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.

Transport Document Name: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Naphthalene), 9, PG III

15. REGULATORY INFORMATION

GHS - Labelling:

Hazard statement(s)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H360	May damage fertility or the unborn child.

Precautionary statement(s)

P201	Obtain special instructions before use.
P280	Wear protective gloves/ protective clothing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

Hazard symbol(s)



R-phrases(s)

R60	May impair fertility.
R61	May cause harm to the unborn child.
R20/21/22	Also harmful by inhalation, in contact with skin and if swallowed.
R10	Flammable.

S-phrases(s)

S53	Avoid exposure - obtain special instructions before use.
S45	In case of accident or if you feel unwell, seek medical advice immediately



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16. OTHER INFORMATION

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