



Yalub® SDPA

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Manufacturer Yasho Industries Limited Plot No. 2514, 2515, Phase IV, GIDC, VAPI -396195 Gujarat, India	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Yalub SDPA	Chemical Name: Styrenated Diphenylamine
Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.	Application of the substance/the preparation: Antioxidant chemical used in rubber industry

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012), Regulation (EC) No 1272/2008, 1907/2006/EC (REACH), and GHS.

Hazard Pictograms (CLP)

Not classified

Signal Word

No signal word

Hazard statements (CLP)

H413-May cause long lasting harmful effects to aquatic life, Category 4

Precautionary statements (CLP)

P273 - Avoid release to the environment

P501 - Dispose of contents/ container to an approved waste
disposal plant

Results of PBT and vPvB
assessment

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
Styrenated Diphenylamine	68442-68-2	270-485-3	90-100	H413 -May cause long lasting harmful effects to aquatic life, Category 4

4. FIRST AID MEASURES

Description of first aid measures

First-aid measures general:

If you feel unwell, seek medical advice.



First-aid measures after inhalation:	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
First-aid measures after skin contact:	Wash off with soap and water. Get medical attention if symptoms occur.
First-aid measures after eye contact:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Get medical attention if symptoms appear.
First-aid measures after ingestion:	Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed

Symptoms effects:	Not expected to present a significant hazard under anticipated conditions of normal use.
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Indication of any immediate medical attention and special treatment needed

General:	Treat symptomatically.
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5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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Unsuitable extinguishing agents:	None known
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Special hazards arising from the substance or mixture

General:	In a fire or if heated, a pressure increase will occur and the container may burst. Do not allow run-off from firefighting to enter drains or water courses. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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Hazardous Combustion Products:	Carbon dioxide (CO ₂) Carbon monoxide Nitrogen oxides (NO _x)
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Advice for firefighters

General:	Wear fully protective suit including respiratory protective device, helmets, protective boots and gloves.
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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Put on appropriate personal protection equipment. Do not touch or walk through spilled material. Evacuate personnel to safe areas. Keep unnecessary and unprotected personnel from entering.

Emergency personnel: Equip cleanup crew with proper protection and ventilate the area.

Environmental precautions

General: Prevent product from entering drains. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and material for containment and cleaning up

General: For disposal according to local / national regulations (see section 13). Dispose of wastes in an approved waste disposal facility. Do not allow into the sewerage system Stop leak if safe to do so. Move containers from spill area. Wash spillages into an effluent treatment plant or proceed as follows. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container, surface waters or groundwater or into the soil.

Reference to other sections

General: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures: Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Conditions for safe storage, including any incompatibilities

Storage: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10)

and food and drink. Keep container closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate container to avoid environmental contamination.

Specific end use(s)

General: Not applicable

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

Occupational exposure limits: Contains no substances with occupational exposure limit values

Additional exposure limits: No data available

Exposure controls

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

General: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the restroom and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Wear safety glasses or goggles to protect against exposure.

Hand protection: Use Chemical resistant, impervious gloves. Due to many conditions (e.g. temperature) it must be considered that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Body protection: Body Protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit.

Respiratory protection: Wear respiratory protection if ventilation is inadequate.

Thermal hazard: No data available.

Environmental exposure controls: Avoid discharge into the environment. According to local regulations, Federal and official regulations.



9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Liquid	Melting Point/Range: No data available
Color: Yellow to brown	Boiling point/Range: No data available
Odor: Slight aromatic	Viscosity: 11 -15 cSt
Odor threshold: No data available	pH value: No data available
Vapor Pressure: No data available	Flash point: 210°C
Density: 1.075 – 1.095 g/cm ³	Flammability: No data available
Bulk Density: Not available	Ignition temperature: No data available
Auto ignition temperature: No data available	Decomposition temperature: No data available
Solubility in / Miscibility with water: No data available	Oxidizing properties: No data available
Partition coefficient (n-octanol/water): No data available	Evaporation rate: No data available
Viscosity Dynamic: Not applicable Kinematic: Not applicable	Explosion limits Lower: Not available Upper: Not available

10. STABILITY AND REACTIVITY

Reactivity

No hazardous reactions if stored and handled under normal conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No hazardous reactions known.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

Oxidants agents

Hazardous decomposition products

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:	Not classified based on available information.
Skin corrosion/irritation:	Not classified based on available information.
Serious eye damage/irritation:	Not classified based on available information.
Respiratory or skin sensitization:	Not classified based on available information.
Germ cell mutagenicity:	Not classified based on available information.
Carcinogenicity:	Not classified based on available information.
Reproductive toxicity:	Not classified based on available information.
STOT single exposure:	Not classified based on available information.
STOT multiple exposure:	Not classified based on available information.
Aspiration hazard:	Not classified based on available information.

12. ECOLOGICAL INFORMATION

Toxicity

Acute (short-term) toxicity:	EC50 (48h, Daphnia magna): 50mg/L
Acute (short-term) toxicity:	EC50 (96h, Algae/aquatic plants): 0.39mg/L
Acute (short-term) toxicity:	EC50 (3h, activated sludge): 10000mg/L

Persistence and degradability

Information:	Not readily biodegradable
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Bioaccumulation potential

Information:	No data available
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Safety Data Sheet

Mobility in soil

Information: No data available

Results of PBT and vPvB assessment

Information: No data available

Other adverse effects

Information: No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Methods: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to a licensed waste center in accordance with local/regional/national/international regulations.

14. TRANSPORTATION INFORMATION

UN-Number

DOT, ADR, ADN, IMDG, IATA, RID Not regulated

UN proper shipping name:

DOT, ADR, ADN, IMDG, IATA, RID Not regulated

Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA, RID Not regulated

Packing group

DOT, ADR, ADN, IMDG, IATA, RID Not regulated

Environmental hazards

DOT, ADR, ADN, IMDG, IATA, RID Not regulated

Special precautions for user

Not regulated

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.



15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance

SARA Section 355 (extremely hazardous substances)	Not listed
SARA Section 313 (Specific toxic chemical listings)	Not listed
TSCA (Toxic Substances Control Act)	Listed
Proposition 65 (California)	
Chemicals known to cause cancer	Not listed
Chemicals known to cause reproductive toxicity for females	Not listed
Chemicals known to cause reproductive toxicity for males	Not listed
Chemicals known to cause developmental toxicity	Not listed
Carcinogenic Categories	
IARC (International Agency for Research on Cancer)	Not listed
TLV (Threshold Limit Value established by ACGIH)	Not listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	Not listed
OSHA (Occupational Safety & Health Administration)	Not listed
Canada	
Canadian Domestic Substances List (DSL)	Listed
Canadian Ingredient Disclosure list (limit 0.1%)	Not listed
Canadian Ingredient Disclosure list (limit 1%)	Not listed
REACH	
REACH Candidate List	Not listed
REACH XIV List	Not listed

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

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