

Contact Sheet



Europe

 **Austria**
Tel: + 43 4212 6400
Sparex Austria
Muraunberger Str
Hurzendorf 9300

 **Belgium / Lux**
Tel: + 32 58235140
Sparex Belgium Bvba
Toevluchtweg 9
B- 8620 Nieuwpoort

 **Denmark**
Tel: + 45 647 22287
Sparex Denmark
Sparex Limited ApS
Messevej 1
9600 Aars

 **France**
Tel: +33 2987 89234
Sparex S.A.R.L.
Zae De Ty Douar
Commana 29450

 **Germany**
Tel: + 49 4282 93100
Sparex Germany
Hansestrasse 03
Sittensen 27419

 **Ireland**
Tel: +353 51 855592
Sparex (Tractor Accessories) Ltd
Grannagh
Waterford
Ireland

 **Italy**
Tel: + 43 4212 6400
Sparex Austria
Muraunberger Str
Hurzendorf 9300

 **Netherlands**
Tel: + 31 235 841 020
Sparex Holland BV
Luzernstraat 19N
2153 GM Nieuw-Vennep

 **Poland**
Tel: +48 61 816 19 37
61-168 ul. Rataje 164, Poznań

 **Portugal**
Tel: +351 261 311107
Sparex Portugal, Importação
e Comércio de Peças,Lda.
Lugar da Espera 2565-716 Runa.

 **Spain**
Tel: + 349 451 33524
Sparex Agrirepuestos,S.L. C/Jose Maria
Iparraguirre
No.15 B
01006 Vitoria-Gasteiz (Alava)

 **UK**
Tel: +44 1392 441338
Sparex Limited
Exeter Airport Devon
Exeter EX5 2LJ

North America

 **Canada**
Tel: + 905 786 277
Sparex Canada Highway
No. 2 On Newcastle L1b 119

 **USA**
Tel: + 1 330 562 8150
Sparex US
PO Box 510
Aurora, OH 44202

Africa

 **South Africa**
Cape - Tel: +27 00 21 887 3575
KZN - Tel: + 27 31 573 1240
Cape branch
35 George Blake St,
Plankenburg
Stellenbosch 7600
KZN branch
59 Marseilles crescent
Briardene
Durban 4001

Australasia

 **Australia**
Tel: + 61 298 205 777
Sparex Australia Pty Ltd
81-83 Strzelecki Avenue,
Sunshine West, VIC 3020

 **New Zealand**
Tel: + 64 9634 4121
4 Princes Street Onehunga,
Auckland 1345

Sparex Export Markets

 **Export**
Tel: +44 1392 441314
Sparex Limited
Exeter Airport
Devon Exeter EX5 2LJ

Material Safety Data Sheet

Product Name - PAN044S

PANG

**PANG (UK) Limited
Health and Safety**

1. Product and Company Identification

Brand name: Bufsol

Last updated: 11/04/2011

Approved use: Cleaning and preparation of rubber components including tyres and inner tubes.

Supplier:

Pang (UK) Ltd Telephone: 01638 663575
4 Albion Court Fax: 01638 662274
Studlands Park Avenue
Newmarket
Suffolk
CB8 7AU

2. Composition/Information on Ingredients

Composition:

Naphtha (Petroleum),hydrotreated light; low boiling point EC 265-151-9 CAS 64742-49-0 60-100% 1200mg/m3 TWA-8hrs

Hexane (n-) CAS No - 110-54-3 1-5% 8 hour - 20.00 ppm / 8 hour - 72.00 mg/m3

3. Hazards Identification

Means of entering the body:-

Inhalation: Yes

Skin/eye: Yes

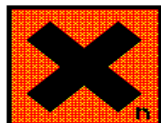
Swallowed: Yes

Injected: No

Hazard category:



Highly Flammable



Harmful



Dangerous for the Environment

Exposure risk: Vapours may cause drowsiness and dizziness. Harmful: may cause lung damage if swallowed. Irritating to skin.

Additional hazards: Highly Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4. First-Aid Measures

GENERAL: Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Perform artificial respiration if breathing has stopped. Do not give victim anything to drink if they are unconscious.

INHALATION: Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.

INGESTION: Immediately rinse mouth and provide fresh air. DO NOT induce vomiting if swallowed chemical is dissolved in petroleum based material. Danger of aspiration and development of chemical pneumonia. Get medical attention immediately

SKIN CONTACT: Remove contaminated clothes and rinse skin thoroughly with water. Rinse with water. Contact physician if discomfort continues.

EYE CONTACT: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues. Get medical attention promptly if symptoms occur after washing.

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PANG (UK) Limited
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5. Fire-Fighting Measures

Extinguishing media: CO₂, Dry powder, Foam

SPECIAL FIRE FIGHTING PROCEDURES: Keep up-wind to avoid fumes. If possible, fight fire from a protected position. Move container from fire area if it can be done without risk. Use supplied air respirator if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water-sources. Dike for water control. Avoid water in straight hose stream; will scatter and spread fire. Ventilate closed spaces before entering them. Be aware of danger for fire to re-start. Be aware of danger of explosion.

UNUSUAL FIRE & EXPLOSION HAZARDS: Forms explosive mixtures with air. Vapours heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back. **HIGHLY FLAMMABLE**

SPECIFIC HAZARDS: The product is flammable and heating may generate vapours which may form explosive vapour/air mixtures. Fire creates: Toxic gases/vapour/fumes of Carbon Monoxide (Co), Carbon Dioxide (Co₂). Vapours may form explosive air mixtures even at room temperature. Vapours may be ignited by a spark, hot surface or an ember.

PROTECTIVE MEASURES IN FIRE: Wear full protective clothing. Self contained breathing apparatus and full protective clothing must be worn in case of fire

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Wear protective clothing as described in Section 8 of this safety data sheet. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. In case of inadequate ventilation, use respiratory protection. Take precautionary measures against static discharges. Do not smoke, use naked flames or other sources of ignition. Do not breathe vapour. Eye contact **MUST** be prevented by means of suitable personal protection equipment. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Do not discharge onto the ground or into water courses. Do not allow ANY environmental contamination. Never use water by itself on spillage: this will spread the spill and cause further contamination. Avoid discharge into drains, water courses or onto the ground. Contain spillages with sand, earth or any suitable absorbent material.

SPILL CLEAN UP METHODS: If leakage cannot be stopped, evacuate area. Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material. Cover large spillage with alcohol resistant foam. Dam and absorb spillage with sand, earth or other non-combustible material. Runoff or release to sewer, waterway or ground is forbidden. Inform authorities if large amounts are involved. Spillages may be stored as chemical waste in approved area. When dealing with a spillage, please consult the section relating to suitable protective measures. Do not contaminate water sources or sewer. Cover large spillages with foam.

7. Handling and Storage

USAGE PRECAUTIONS: Avoid spilling, skin and eye contact. Avoid contact with skin and eyes. Keep away from heat sparks and open flame. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Storage tanks and other containers must be grounded. Protect electric equipment against sparking in case of risk of explosion. Wear full protective clothing for prolonged exposure and/or high concentrations. Contaminated rags and cloths must be put in fireproof containers for disposal. Always remove grease with soap and water or skin cleaning agent, never use organic solvents. Do not eat, drink or smoke when using the product. Container must be kept tightly closed. Do not use in confined spaces without adequate ventilation and/or respirator. Protect against direct sunlight.

STORAGE PRECAUTIONS: Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep away from food, drink and animal feeding stuffs. Avoid contact with oxidising agents. Flammable/combustible - keep away from oxidisers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks. Keep in original container.

STORAGE CLASS: Flammable liquid storage

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8. Exposure Controls/Personal Protection

Hexane-norm WEL 20ppm / 72mg/m³ TWA- 8hrs

Naphtha (petroleum), Hydrotreated Light: low boiling point WEL 1200 mg/m³ TWA- 8hrs

SBP2L WEL 1200mg/m³ TWA-8hrs

PROCESS CONDITIONS: Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.

ENGINEERING MEASURES: Provide adequate ventilation, including appropriate local extraction, to ensure the defined workplace exposure limit is not exceeded. Explosion-proof general and local exhaust ventilation.

RESPIRATORY EQUIPMENT: If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Check that mask fits tight and change filter regularly.

HAND PROTECTION: Protective gloves must be used if there is a risk of direct contact or splash. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

EYE PROTECTION: Wear splash-proof eye goggles to prevent any possibility of eye contact. If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION: Use barrier creams to prevent skin contact. Provide eyewash station and safety shower.

Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENIC MEASURES: Wash at the end of each work shift and before eating, smoking, and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. Eating, smoking and water fountains prohibited in immediate work area. **DO NOT SMOKE IN WORK AREA!**

9. Physical and Chemical Properties

Appearance & odour: Clear, colourless liquid with characteristic odour

Autoignition (°C): >230

Solubility: Insoluble in water

Boiling point (°C): 60-95

10. Stability and Reactivity

STABILITY: Stable under normal conditions and recommended use. Avoid: Heat, sparks, flames.

CONDITIONS TO AVOID: Avoid contact with strong oxidisers. Avoid heat, flames and other sources of ignition.

HAZARDOUS POLYMERISATION: Will not polymerise

MATERIALS TO AVOID: Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS: None at ambient temperatures. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. Toxicological Information

GENERAL INFORMATION: Prolonged and repeated exposure with solvents over a long period may lead to permanent health problems. Contains small amounts of organic solvents. Extensive use of this product in areas with inadequate ventilation may result in hazardous vapour concentrations.

INHALATION: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause serious chemical pneumonia. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

INGESTION: Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

SKIN CONTACT: Repeated exposure may cause skin dryness or cracking.

EYE CONTACT: Irritation of eyes and mucous membranes.

HEALTH WARNINGS: Prolonged or repeated contact leads to drying of skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Route of entry: Ingestion. Inhalation

Target Organs: Brain. Respiratory system. Lungs. Mucous membranes.

Medical Symptoms: Skin irritation. Irritation of eyes and mucous membranes. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

Medical Considerations: Skin disorders and allergies. Convulsive disorders. CNS problems. Risk of chemical pneumonia after aspiration.

Specific Effects: Prolonged or repeated contact with used oil may cause skin diseases, such as dermatitis. Prolonged or repeated contact with used oil may cause serious skin diseases such as dermatitis and skin cancer. Prolonged or frequent inhalation of vapours in high concentrations may cause permanent damage to the nervous system, including the brain.

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12. Ecological Information

ECOTOXICITY: The product contains substances which are toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

MOBILITY: Semi-mobile. The product is insoluble in water and will spread on the water surface.

BIOACCUMULATION: The product has the potential to bio-accumulate

DEGRADABILITY: The product is expected to be biodegradable

ACUTE FISH TOXICITY: Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment

WATER HAZARD CLASSIFICATION: WGK2

13. Disposal Considerations

GENERAL INFORMATION: Do not puncture or incinerate even when empty. Waste, residue, empty containers, discarded work clothes and used disposable towels must be collected in assigned receptacles, labelled with content. Waste is classified as hazardous waste. Disposal to licenced waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS: No specific disposal method required. Contact specialist disposal companies. Do not allow runoff to sewer, waterway or ground.

WASTE CLASS: Hazardous Waste. The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See Section 12.

14. Transport Information

UK Road Class: 3

UN No. Road: 3295

ADR Class No.: 3

ADR Pack Group: II

Hazchem Code: 3YE

IMDG Class: 3

Proper Shipping Name: Hydrocarbons, Liquid N.O.S.

UK Road Pack Gr. II

ADR Class: Class 3: Flammable Liquids

Hazard No. (ADR): 33 Highly Flammable Liquid (flash point below 23C)

ADR Label No.: 3

IMDG Pack Gr.: III

15. Regulatory Information

Risk/Safety Codes	Description
R11	Highly flammable
R38	Irritating to skin
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R67	Vapours may cause drowsiness and dizziness
R65	Harmful: may cause lung damage if swallowed
S9	Keep container in a well-ventilated place
S33	Take precautionary measures against static discharges
S43	In case of fire, use alcohol-resistant foam, carbon dioxide or dry powder – NEVER USE WATER!
S62	If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label

16. Other Information

The information contained in this safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety legislation. The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product in the workplace.

This product should not be used for purposes other than those for which it is designed. The information contained in this safety data sheet is based on present knowledge and current national legislation and meets the requirements of the Chemicals (Hazard Information and Packaging) Regulations. It provides guidance on health, safety and environmental aspects of the product and should not be construed as a guarantee of technical performance or suitability for particular applications.