

MATERIAL SAFETY DATA SHEET FOR BOSS WHITE SPIRIT THINNER



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product type:	White Spirit
Intended use:	Thinner for white spirit based paint
Trade Name:	BOSS White Spirit Thinner
Supplier of product:	The BSS Group plc
Registered Office:	Fleet House, Lee Circle, Leicester, LE1 3QQ
Telephone/Fax Numbers:	0116 262 3232 / 0116 253 1343
E-mail Address	reception@bssgroup.com
Web site Address	www.bss-group.co.uk

2. HAZARD IDENTIFICATION

Classification (EC 1272/2008):	Physical and Chemical Hazards Human health Environment	Flam. Liq 3 – H226 EUH0666; Asp. Tox. 1 – H 304 Aquatic Chronic 2 – H411
Classification:	Xn;R65. N;R51/53. R10, R66	

EC No:	265-185-4
Contains:	Naphtha (Petroleum), Hydrodesulfurized Heavy; Low Boiling Point HYD
Label in Accordance with (EC) No. 1272/2008	



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2. HAZARD IDENTIFICATION (cont.)

Signal Word:	Danger	
Hazard Statements:	H226 H304 H411	Flammable liquid and vapour May be fatal if swallowed and enters airways Toxic to aquatic life with long lasting effects
Precautionary Statements:	P273 P280 P370 P378a P501	Avoid release to the environment Wear protective gloves/protective clothing/eye protection/face protection In case of fire: Use alcohol-resistant foam, carbon dioxide or dry powder for extinction Dispose of contents/container to registered waste disposal company
Supplementary Precaution Statements:	P210 P233 P240 P241 P242 P243 P301+310 P303+361+353 P331 P391 P403+235 P405	Keep away from heat/sparks/open flames/hot surfaces. No smoking Keep container tightly closed Ground/bond container and receiving equipment Use explosion-proof electrical/ventilating/lighting/.../equipment Use only non-sparking tools Take precautionary measures against static discharge IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician IF ON SKIN (or hair): remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Do NOT induce vomiting Collect spillage Store in a well-ventilated place. Keep cool Store locked up
Supplemental Label Information:	EUH066	Repeated exposure may cause skin dryness or cracking

3. COMPOSITION/INFORMATION ON INGREDIENTS.

Main Constituents:	EC No	CAS No	Content	Classification
Naphtha (Petroleum) Hydrosulferside Heavy	265-185-4	64742-82-1	60-100%	Xn;R65. N;R51/53. R10,R66

4. FIRST AID MEASURES

General:	Keep the affected person warm and at rest. Get prompt medical attention. Do not give victim anything to drink if they are unconscious
Inhalation:	Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. If breathing stops, provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing
Ingestion:	NEVER make an unconscious person vomit or drink fluid! DO NOT induce vomiting. Get medical attention immediately. Provide rest, warmth and fresh air.
Skin Contact:	Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Do NOT use solvents or thinners.
Eye Contact:	Make sure to remove any contact lenses from the eyes before rinsing. Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Get medical attention immediately. Continue to rinse.

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5. FIRE FIGHTING MEASURES

Extinguishing Media:	
Recommended:	Alcohol resistant foam, CO ₂ , dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.
Special Fire Fighting Procedures:	Keep run-off water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water until well after the fire is out. Move container from fire area if it can be done without risk. If risk of water pollution occurs, notify appropriate authorities.
Unusual Fire & Explosion Hazards:	May explode in a fire. May travel considerable distance to source of ignition and flash back.
Specific Hazards:	By fire, toxic gases may be formed (Cox, NO _x)

6. ACCIDENTAL RELEASE MEASURES



Personal Precautions:	Wear protective clothing as described in Section 8 of this safety data sheet
Spill Clean Up Methods:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Keep combustibles away from spilled material. Provide ventilation and confine spill. Do not allow runoff to sewer. Wash thoroughly after dealing with spillage. Inform Authorities if large amounts are involved. Absorb with inert, damp, non-combustible material, then flush area with water.

7. HANDLING AND STORAGE:

Usage Precautions:	Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above acceptable level. Wear full protective clothing for prolonged exposure and/or high concentrations. Vapours are heavier than air and may spread near ground to source of ignition. The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Use engineering controls to reduce air contamination to permissible exposure level. Use explosion proof electric equipment.
Conditions for safe storage, including incompatibilities:	Store in tightly closed container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 5°C and 25°C. Store away from Acids, Oxidising material, Alkalies.
Usage Description:	Avoid inhalation of vapours and contact with skin and eyes. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Comments:	
WEL = Workplace Exposure Limits	
Protective Equipment:	 
Process Conditions:	Provide eyewash station
Engineering Measures:	Provide adequate general and local exhaust ventilation
Respiratory Protection:	No specific recommendations made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. If ventilation is insufficient, suitable respiratory protection must be provided.
Hand Protection:	Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Nitrile
Eye Protection:	Wear approved chemical safety goggles where eye exposure is reasonable probable.
Hygiene Measures:	Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke. DO NOT SMOKE IN THE WORK AREA! Use appropriate hand lotion to prevent defatting and cracking of skin.
Skin Protection:	Wear apron or protective clothing in case of splashes

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Coloured Liquid		
Colour:	Colourless		
Odour:	Aliphatic Hydrocarbon		
Solubility:	Slightly soluble in water		
Boiling point:	152 760mm Hg	Relative Density:	0.778 20 Deg C
Vapour density:	>1.0	Vapour pressure:	3.3 mm Hg at 20 Deg C
Viscosity:	N/A	Flash Point:	38-41DEG Sh CC (Setaflash Closed Cup)
Volatile Organic Compound (VOC):	778 g/litre		

10. STABILITY AND REACTIVITY

Stability:	Stable under normal temperature conditions and recommended use
Conditions to Avoid:	Avoid heat, flames and other sources of ignition
Materials to Avoid:	Strong oxidising substances. Acids – organic. Strong alkalis
Hazardous Decomposition Products:	By fire, toxic gases (CO, CO ₂ , NO _x) may be formed

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11. TOXICOLOGICAL INFORMATION

Toxic Dose 1 – LD 50:	>5050 mg/kg (oral rat)
Toxic Conc. – LC 50:	>13.1
Inhalation:	Harmful by inhalation. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Vapours may cause headache, fatigue, dizziness and nausea.
Ingestion:	Harmful if swallowed
Skin Contact:	Product has a defatting effect on skin. Prolonged contact may cause redness, irritation and skin.
Eye Contact:	Irritation of eyes and mucous membranes
Health Warnings:	Swallowing concentrated chemical may cause severe internal injury
Medical Symptoms:	Upper respiratory irritation. Nausea, vomiting. Allergic rash.
Medical Considerations:	Skin disorders and allergies


12. ECOLOGICAL INFORMATION

Ecotoxicity:	Dangerous for the environment: May cause long-term adverse effects in the aquatic environment
TOXICITY:	
LC 50, 96Hrs, Fish mg/l	10-30
EC 50, 48Hrs, Daphnia mg/l	10-22
IC 50 72Hrs, Algae mg/l	4.6-10
Degradability:	The product is biodegradable
Mobility:	The product is insoluble in water and will spread on water surface

13. DISPOSAL CONSIDERATIONS

General Information:	Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority
Disposal Methods:	Disposal and waste residues in accordance with local authority requirements. Absorb in vermiculite or dry sand, disposal in licensed hazardous waste.


14. TRANSPORT INFORMATION

UN Number:	1300
Proper shipping name:	WHITE SPIRIT
ADR Class No:	3
ADR Class	Class 3: Flammable Liquids
IMDG Class:	3.3
Transport Labels:	 A red diamond-shaped hazard label with a flame icon at the top, the text 'FLAMMABLE LIQUID' in the center, and the number '3' at the bottom.

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14. TRANSPORT INFORMATION (cont.)

Packaging Group:	
ADR Pack Group	III
IMDG Pack Group:	III

Environmental Hazards:
Environmentally Hazardous Substance/Marine Pollutant

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

15. REGULATORY INFORMATION

UK regulatory References:	Health and Safety at Work Act 1974
Statutory Instruments:	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health
Approved Code of Practice:	Classification and labelling of Substances and Preparations Dangerous for Supply
Guidance Notes:	Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(g)37. CHIP for everyone HSG(10*)
EU Legislation:	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2001 concerning the Registration, Evaluation, Authorisation and restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1991/48/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulations (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 96/67/EEC, 93/105/EEC and 2000/21/EC, including amendments

16. OTHER INFORMATION

R Phrase No.	Text
R10	Flammable.
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.