

Safety Data Sheet

1. IDENTIFICATION

Product Name:	WS3040
Other Names:	White Spirit, White Spirit 3040
Recommended Use:	Solvent for resin, lacquers, wax, printing ink, adhesives, plastics and polishes agent. Raw material for used in the chemical industry such as paints, rubbers, plastic, cosmetics, pharmaceuticals, and dehydrate agents.
Supplier:	Global Chemie ASCC Limited
Street Address:	88/123 Moo 2 Bangpoo Industrial Estate (North), Phraek Sa Mai, Mueang Samutprakan, Samutprakan 10280
Telephone:	+66 2324 6888
Fax:	+66 2324 6898-99
Emergency phone:	+66 2324 6888 ext.320

2. HAZARDS IDENTIFICATION

Hazardous Nature

This product is classified as hazardous under GHS criteria

Hazardous Categories

Flammable liquids: Category 3

Aspiration hazard : Category 1

Hazardous Statement

Highly Flammable liquid and vapour

GHS Pictograms



Hazard Statements

H225: Highly flammable liquid and vapor.

H304: May be fatal if swallowed and enters airways.

Precautionary Statements

P102: Keep out of reach of children.

P233: Keep container tightly closed.

P240: Ground, bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/light/equipment.

P242: Use non-sparking tools.

P243: Take action to prevent static discharges.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P262: Do not get in eyes, on skin, or on clothing.

P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

P370+P378: In case of fire: Use manufacturer/supplier or the competent authority to specify appropriate media to extinguish. If water increase risk.

If swallowed

P301 + P316: IF SWALLOWED: Get emergency medical help immediately

P331: Do NOT induce vomiting

If on skin

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse affected area with water or shower

If inhaled

No data available.

If in eye

No data available.

Storage

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

Disposal

P501: Dispose of contents/containers in accordance with local regulation.

Signal Word Danger

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	UN No.	Proportion (%v/v)
Naphtha (petroleum) hydrosulfurized heavy	64742-82-1	1300	>99.9
Toluene	108-88-3	-	<0.1

Molecular Formular: No data available

Molecular Weight: No data available

4. FIRST AID MEASURES

For advice, contact Ramathibodi Poison Center (Phone: 1367) or a doctor.

Ingestion

DO NOT induce vomiting. If person is conscious, rinse mouth with water. Seek medical advice.

Eye Contact

Remove contact lenses, if worn. Flush with water for at least 20 minutes. Get immediate medical attention.

Skin Contact

Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available).

Inhalation

Move the exposed person to fresh air. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

Most important symptoms and effects, both acute and delayed

May be fatal if it enters the airways after swallowing.

Indication of any immediate medical attention and special treatment needed

In the case of accident or if you feel unwell, seek medical advice immediately.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable extinguishing media

Foam, CO₂, Dry chemical powder, water spray or fog.

Unsuitable extinguishing media

Do not use water jets for large fires.

Special hazards arising from the substance or mixture

Hazards from combustion products

Carbon monoxide (CO), carbon dioxide (CO₂), and other pyrolysis products typical of burning organic material. May include H₂S and SO_x or sulfuric acid.

Precautions for fire fighters and special protective equipment

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Strictly implement procedure manual and safety data sheet.

Methods and materials for containment

Protective Measures

Observe the usual precautionary measures for chemicals. Wear full appropriate protective equipment including SCBA.

For containment: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid-or universal binding agents) and wipe up. Collect in closed containers for disposal.

For cleaning up: Use care during clean-up to avoid exposure to the material and injury from broken containers. Absorb spilled products with suitable non-combustible materials.

Environmental precautions: Discharge into the environment must be avoided.

7. HANDLING AND STORAGE

Precautions for safe handling

Observe the usual precautionary measures for chemicals. Wear appropriate protective equipment.

Avoid smoking, naked lights or ignition sources.

Use with adequate ventilation. Management and monitoring according to local authority regulation.

Conditions for safe storage

Provide adequate general and local exhaust ventilation.

Store in a cool, dry, well-ventilated area or silo away from sources of heat, flame and sparks. Store separately from oxidizing agents.

Keep separated from incompatible substances. No smoking, naked lights, heat or ignition sources.

Incompatible materials

No data available.

Recommended Materials

Protect containers against physical damage and check regularly for leaks. Mild steel or stainless steel should be used.

Product Transfer

Keep containers closed when not in use. Do not use compressed air for filling, discharging, or handling operations. If positive displacement pumps are used, these must be fitted with a non-integral pressure relief valve. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

Additional Advice

No data available.

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

Occupational Exposure Limits: No exposure limit value known.

Appropriate engineering controls

Structural measure to prevent exposure: Ensure that eyewash stations and safety showers are proximal to the work-station location.

Organizational measures to prevent exposure: Implement according to procedure manual and safety data sheet.

Technical measures to prevent exposure: Provide adequate general and local exhaust ventilation.

Personal Protective Equipment

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment. SCBA should be wore.

Eye Protection: Wear safety glasses with side shields, goggles or face shield.

Skin/ Body Protection: Wear suitable protective clothing and gloves. Gloves made of PVA are not suitable.

Hand Protection: Butyl rubber gloves, Nature rubber gloves, Neoprene rubber gloves, Nitrile rubber gloves.

Environmental Exposure Controls

Provide adequate ventilation when processing material at elevated temperatures.

Substance/mixture related measures to prevent exposure: Provide adequate ventilation when processing material at elevated temperatures. Provide mechanical ventilation; in general, such ventilation should be provided at compounding/converting areas and at fabricating/filling workstations where the material is heated.

Instruction measures to prevent exposure: Non-specific.

Organizational measures to prevent exposure: Monitoring and control the limit of emission, water discharge, and industrial waste according to local authority.

Technical measures to prevent exposure: Suitable technology should be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of Measurement	Typical Value
Appearance	-	Bright and Clear Liquid
Odour	-	Slight
pH	-	No data available
Boiling point	°C	152-200
Melting point	°C	< -50
Flash point	°C	40
Flammability	-	Flammable
Autoignition Temperature	°C	250
Decomposition Temperature	°C	No data available
Lower/Upper Flammability Limits	%V	0.47-7.0
Density @ 20°C	g/cm ³	0.765 - 0.785
Specific Gravity @ 20°C	-	0.766-0.786
Viscosity @ 20°C	cSt.s	No data available
Vapor pressure	kPa	0.37
Vapor density	kPa (Air = 1)	No data available
Evaporation Rate	(n-Butyl acetate = 1)	No data available
Water Solubility	-	Insoluble
Solubility in other solvents Partition coefficient	(n-octanol/water)	No data available
Coefficient of Thermal Expansion	per Deg °C	No data available
Particle Characteristic	-	No data available

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY**Chemical Stability**

Stable under normal conditions.

Reactivity

Non-reactivity under normal handling and storage conditions.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO₂), other pyrolysis products typical of burning organic material. H₂S, SO_x and sulfuric acid.

Hazardous reactions

Non hazards under normal handling and storage conditions.

Materials to Avoid

Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

- ♦ LD₅₀ Acute oral toxicity : >5,000 mg/kg (Rat)
- ♦ LD₅₀ Acute dermal toxicity : >2,000 mg/kg (Rabbit)
- ♦ LC₅₀ Acute Inhalation Toxicity : >5,610 mg/m³ (Rat)

Acute toxicity: Conclusive but not sufficient for classification.

Skin corrosion/irritation: Conclusive but not sufficient for classification.

Serious eye damage/irritation: Conclusive but not sufficient for classification.

Respiratory or skin sensitisation: Conclusive but not sufficient for classification.

Germ cell mutagenicity: Can cause germ cell mutagenicity.

Carcinogenicity: Can cause carcinogenicity.

Reproductive toxicity: Conclusive but not sufficient for classification.

STOT-single exposure: Conclusive but not sufficient for classification.

STOT-repeated exposure: Conclusive but not sufficient for classification.

Aspiration hazard: Can be toxic for aspiration.

Irritating/corrosive effects

Eye Irritation: No data available.

Skin Irritation: May cause skin irritation.

Inhalation: Inhalation of vapor may cause drowsiness and dizziness.

Ingestion: May cause a choking hazard if swallowed.

12. ECOLOGICAL INFORMATION**Ecotoxicity****Acute Toxicity**

No relevant studies found.

Persistence/ degradability

No data available.

Mobility

This substance is not in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

Bioaccumulation

No data available.

13. DISPOSAL CONSIDERATIONS**Disposal Methods****Material and Container Disposal**

Observe all label safeguards until containers are cleaned and destroyed. Shelf life considerations should also be applied in making decisions of this type. Do not allow this material to drain into sewers/water supplies.

Local Legislation

Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	1300	UN No.	1300	UN No.	1300
Class/Item	3	Class/Item	3	Class/Item	3
Hazard Symbol	Flammable Liquid	Hazard Symbol	Flammable Liquid	Hazard Symbol	Flammable Liquid
Proper Shipping Name	White Spirit	Proper Shipping Name	White Spirit	Proper Shipping Name	White Spirit
Packing Group	III	Packing Group	III	Packing Group	III
		Marine Pollutant	No data available		

15. REGULATORY INFORMATION

EC Label Name	: White Spirit
EC Classification	: Flammable, Harmful, Dangerous for the environment.
EINECS (EC)	: 265-185-4
EC Annex I Number	: 649-330-00-2
MITI (Japan)	: 9-1699
Other	: The benzene content of this product is less than 0.1%. Classification and labeling as carcinogen (R45) are not required.

16. OTHER INFORMATION

National Fire Protection Association (USA) : No data available.

SDS Distribution : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty of guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.

Prepared By : Quality Control Department / Global Chemie ASCC Limited

Abbreviations:

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

IARC: International Agency for Research on Cancer

N/A: not available

NOHSC: National Occupational Health and Safety

Council GHS: Global Harmonized System

References:

- Supplier Material Safety Data Sheets
- <http://chem.sis.nlm.nih.gov/chemidplus> (October 18)
- <http://hsis.ascc.gov.au/SearchHS.aspx> (October 18)
- Ecotoxicology data: http://cfpub.epa.gov/ecotox/quick_query.htm (October 18)
- *Sax's Dangerous Properties of Industrial Materials*, Richard J. Lewis Snr., pub. Canada (2000)

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. No warranty and guarantee are expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product for further information, please contact Global Chemie ASCC Limited.