



Safety Data Sheet SS-25 NC

Supersedes Date Initial Release

Issuing Date DEC 2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name SS-25 NC

Recommended use Non Chlorinated Solvent Degreaser

Manufacturer, importer, supplier

NCH AUSTRALIA PTY LTD, DIV. OF NCH CORPORATION
5-9,Ralph Street , Alexandria , NSW -2015

Telephone inquiry

+61-2-96690260

Emergency Telephone Number

+61-2-96690237 / 0401718972

Fax number

+61-2-96931562

Product Code 0019

Chemical nature Solvent mixture

Distributor

NCH AUSTRALIA PTY LTD, DIV. OF NCH CORPORATION
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4. FIRST AID MEASURES

General advice	Avoid contact with skin, eyes and clothing. Avoid breathing vapours or mists.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention immediately.
Skin Contact	Remove immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation	Move to fresh air. In case of shortness of breath, give oxygen. If breathing has stopped, apply artificial respiration. Get medical attention immediately.
Ingestion	Clean mouth with water and afterwards drink plenty of water.
Notes to physician	Treat symptomatically. Aspiration hazard if swallowed - can enter lungs and cause damage.

5. FIRE-FIGHTING MEASURES

Flash Point	Flammable Liquid 40 °C	Method	Seta closed cup
Auto ignition Temperature	No information available.		
Flammability Limits in Air % Mixture.	Upper 6	Lower	0.6
Suitable Extinguishing Media	Carbon dioxide (CO ₂), Foam, Dry Chemical or Water fog. Dry chemical. Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
Specific hazards arising from the chemical	Solvent vapours are heavier than air and may spread along floors. Vapours may ignite and explode. Material can create slippery conditions. Flammable product. Moderate risk of explosion if fire occurs.		
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus pressure-demand, Safe Work, Australia (approved or equivalent) and full protective gear.		

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Pick up & transfer to properly labelled containers. Never return spills in original containers for re-use.
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing			
	Avoid breathing vapours or mists			
Storage	Keep away from open flames, hot surfaces and sources of ignition			
	Store in original container			
	Keep containers tightly closed in a dry, cool and well-ventilated place			
Storage Temperature	Minimum	2 °C	Maximum	49 °C
Storage Conditions	Indoor	X	Outdoor	Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ES-TWA	ISHL	ACGIH TLV
Solvent naphtha (petroleum), medium aliphatic		no data available	No data available
Petroleum distillates, hydro treated light		no data available	5 mg/m ³ as oil mist
D-LIMONENE		no data available	No data available
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS		no data available	No data available

Engineering Measures

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Respiratory Protection

In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Tightly fitting safety goggles.

Eye/Face Protection

Hand Protection

Protective gloves

Skin Protection

Wear suitable protective clothing, Impervious gloves.

General Hygiene Considerations

Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Transparent
Colour	Colourless Liquid
Physical State	Liquid
Odour	Hydrocarbon odour
Odour Threshold	No data available
pH	Not applicable
Melting Point/Range	No data available
Freezing Point	No information available
Boiling Point/Range	193 °C
Flash Point	Flammable Liquid 40 °C
Method	Seta closed cup
Evaporation Rate	<0.2 (Butyl acetate=1)
Vapour Pressure	No information available
Solubility	Negligible
Vapour Density	6.6 (Air = 1.0)
Specific Gravity	0.79
Auto ignition Temperature	No information available.
Viscosity	Non viscous
Molecular Weight	No data available
Percent Volatile (Volume)	100
VOC Content (%)	No data available
VOC Content (g/L)	No information available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	Heat, flames, and sparks
Incompatible Products	Strong oxidizing agents, Strong acids.
Hazardous Decomposition Products	Carbon oxides, Hydrogen chloride gas.
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information**Principle Route of Exposure** Skin contact, Eye contact, Inhalation.

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50 2,564.00 mg/kg**Dermal LD50** 2,722.00 mg/kg**Inhalation LC50****Gas** Not applicable**Mist** not applicable**Vapour** not applicable**Primary Routes of Entry**

Inhalation, Ingestion, Skin Absorption.

Main Symptoms**Acute Effects****Eyes** Severe irritation.**Skin** Severe irritation. Product may be absorbed through the skin in harmful amounts. May cause allergic skin reaction.**Inhalation** Causes respiratory tract irritation. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Blood disorder may occur after prolonged inhalation.**Ingestion** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May cause central nervous system effects such as headache, dizziness, weakness, staggering gait, nausea, blurred vision, excitation, and in extreme cases, coma or death. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.**Chronic Effects**

Liver and kidney injuries may occur, May cause skin sensitization in some individuals.

Target Organ Effects

Central nervous system, Respiratory system.

Aggravated Medical Conditions

Neurological disorders, Respiratory disorders.

Component Information**Acute Toxicity**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Solvent naphtha (petroleum), medium aliphatic	> 5000 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	> 5.28 mg/L (Rat) 4 h	no data available	no data available
Petroleum distillates, hydro treated light	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	> 5.2 mg/L (Rat) 4 h	no data available	no data available
D-LIMONENE	= 4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	no data available	no data available	no data available
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Solvent naphtha (petroleum), medium aliphatic	no data available	no data available	no data available	no data available	CNS, liver, kidneys
Petroleum distillates, hydro treated light	no data available	no data available	no data available	no data available	respiratory system, liver, kidney, CNS
D-LIMONENE	no data available	no data available	no data available	no data available	no data available
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

There are no known carcinogenic chemicals in this product

Component	ES	ACGIH	IARC	NTP	Other
Solvent naphtha (petroleum), medium aliphatic	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydro treated light	not applicable	not applicable	not applicable	not applicable	not applicable
D-LIMONENE	not applicable	not applicable	not applicable	not applicable	not applicable
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No data available

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Solvent naphtha (petroleum), medium aliphatic	EC50 = 450 mg/L Pseudokirchneriella subcapitata 96 h	LC50 = 800 mg/L Pimephales promelas 96 h	no data available	EC50 > 100 mg/L 48 h	N/A
Petroleum distillates, hydrotreated light	no data available	LC50 = 2.2 mg/L Lepomis macrochirus 96 h LC50 = 2.4 mg/L Oncorhynchus mykiss 96 h LC50 = 45 mg/L Pimephales promelas 96 h	no data available	no data available	N/A
D-LIMONENE	no data available	LC50 0.619 - 0.796 mg/L Pimephales promelas 96 h LC50 = 35 mg/L Oncorhynchus mykiss 96 h	no data available	no data available	N/A
INGREDIENTS DETERMINED NOT TO BE HAZARDOUS	no data available	no data available	no data available	no data available	N/A

Eco toxicity effects

No information available

Persistence & Degradability

No specific information.

Bioaccumulation

No information available

Mobility

Mobility The product is insoluble and floats on water

13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

ADG 7

UN-No	UN 1993
Proper Shipping Name	Flammable Liquid , n.o.s.
Hazard Class	3
Packing Group	III
Hazchem Code	3(Y)
Shipping Description	UN1993,Flammable Liquid , n.o.s.,3,PG III

15. REGULATORY INFORMATION

Australia

POISON SCHEDULE (SUSMP)

Schedule 5

16. OTHER INFORMATION

Prepared By	Arvind Rane
Super cedes Date	Initial Release
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Reason for Revision	GHS-SDS Format
Glossary	No information available.
List of References.	No information available.

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