NEY Limited
Stonebridge Trading Estate
Sibree Road
Coventry CV3 4FD

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INFORMATION ON INGREDIENTS

Chemical Description:	Panel wipe contains a mixture of ethanol, aliphatic hydrocarbon and natural perfumes

Hazardous components:

CAS	Chemical Name	Conc.
64-17-5	Ethanol	40-85 %
64742-49-0	Shellsol (Naphtha)	15-60 %

HAZARDS IDENTIFICATION

Human health hazards:	Aspiration into the lungs may cause chemical pneumonities which can be fatal. Narcotic at high vapour concentrations.
Safety hazards:	Highly flammable. Extreme risk of vapour ignition at normal handling temperatures. Electrostatic charges may generate during handling.
Environmental hazards:	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

FIRST AID MEASURES

Symptoms and effects:	Headache, dizziness, dryness of the skin. Irritation of the respirator tract. Skin contact may cause irritation.
First Aid – Inhalation:	Remove to fresh air. If rapid recovery does not occur, obtain medical attention.
First Aid – Skin:	Wash skin with water using soap if available.
First Aid – Eye:	Flush eye with water.
First Aid – Ingestion:	Do not induce vomiting. Give nothing by mouth. Obtain medical attention immediately!
Advice to physicians:	Dermatitis may result from prolonged or repeated exposure. Aspiration into the lungs may cause chemical pneumonitis. Causes central nervous system depression

FIRE-FIGHTING MEASURES

Specific hazards:	Carbon monoxide may be evolved if incomplete combustion occurs. Will flout and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.
Extinguishing media:	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

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Unsuitable extinguishing media:	Water in a jet
Protective equipment:	Full protective clothing and self-contained breathing apparatus.
Other information:	Keep adjacent containers cool by spraying with water.

ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin, eyes. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Take precautionary measures against static discharge. Shut off leaks, if possible without personal risk.
Personal protection:	Wear nitrile rubber gloves, gauntlet type, jacket and trousers – nitrile rubber, safety boots – rubber, knee length. Wear full face-piece res- pirator with organic vapour canister and built-in particulate filter NPF 400 (gas only). In a confined space, wear self-contained breathing apparatus open circuit type NPF 2000.
Environmental precautions:	Prevent contamination of soil and water. Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
Clean-up methods – small spillage:	Absorb or contain liquid with sand, earth or spill control material. Shovel up and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or over-drum. Scrub contaminated surfaces with detergent solution. Retain washings as contaminated waste.
Clean-up methods – large spillage:	Transfer to a labelled, sealable container for product recovery or safe disposal. Treat residues as for small spillage.
Other information:	Risk of explosion. Inform the emergency services if liquid enters surface water drains. Vapour may from an explosive mixture with air. See Section 13 for information on disposal.

HANDLING AND STORAGE

Handling:	Avoid prolonged or repeated contact with skin. Do not breathe vapour, spray, and mists. Extinguish any naked flames. Remove ignition sources. Avoid sparks. Do not smoke. Take precautionary methos against static discharges. Earth all epuipment. Do not empty into drains.
Handling temperatures:	Ambient

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Storage:	Keep container tightly closed and in a well-ventilted place. Keep away from direct sunlight and other sources of heat or ignition. Do not smoke in storage areas.
Storage temperatures:	Ambient
Product transfer:	Take precautionary measures against static discharge. Earth all equipment. Avoid splash filling. Do not use compressed air for filling, discharging or handling. If positive displacement pumps are used, these must be fitted with a non-integral pressure relief valve. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge. Refer to supplier for further product transfer instructions if required.
Recommended materials:	For containers or container linings, use mild steel, stainless steel. For container paints, use zinc silicate, epoxy resins. Unsuitable materials: avoid prolonged contact with natural, butyl or nitrile rubbers.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure standards

Aliphatic hydrocarbon:	TWA (8 h) = 200 ppm (1000 mg/m^3)
Ethanol:	TWA (8 h) = 1000 ppm (1900 mg/m^3)
Engineering control measures:	Use only in well-ventilated areas.
Respiratory protection:	If risks of inhalation wear half mask respirator with organic vapour cartridge and built-in particulate filter NPF 20 (gas only).
Hand protection:	Nitrile rubber gloves
Eye protection:	Goggles
Body protection:	Safety shoes or boots – chemical resistant standard issue work clothes

PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Colour:	Colourless
Odour:	Alcoholic/Lemon

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Boiling point :	Typical 78 – 137 °C (ASTM D-1078)
Flash point:	Typical 2 °C (IP 170)
Auto-ignition temperature:	260 °C (ASTM E-659)
Explosion / flammability limits in air:	Lower: 0.8 Upper: 15
Density:	Typical 772 kg/m³ at 20 °C (ASTM D-445)
Solubility in water:	Partially insoluble
Viscosity:	0.67 mPa/s (dynamic v., calculated)
Additional information	
cont. of aromatic subst.:	Maximum 0.001 %
cont. of n-hexane:	Maximum 0,5 %
cont. of benzene:	Maximum 2.5 ppm

STABILITY / REACTIVITY

Stability:	Stable under normal use condition
Conditions to avoid:	Heat, flames and sparks
Materials to avoid:	none known
Hazardous decomposition products:	none known

TOXICOLOGICAL INFORMATION

Basis for assessment:	Information given is based on product data and on data on the components and the toxicology of similar products.
Acute toxicity Oral:	Low toxicity, LD50 > 2000 mg/kg
Acute toxicity Dermal:	Low toxicity, LD50 > 2000 mg/kg
Acute toxicity Inhalation:	Low toxicity, LC50 > 5 mg/l
Skin irritation:	Slight irritant, but not sufficient to trigger an EC label
Eye irritation:	Slight irritant, but not sufficient to trigger an EC label
Skin sensitisation:	Not a sensitiser in the Magnusson and Kligman guineapig maximisation test

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Mutagenicity :	Not considered to be a mutagenic hazard.
Development toxicity :	Not expected to be a developmental toxicant
Human effects:	See section on First aid measures for information regarding acute effects to humans. Aspiration into the lungs may cause chemical pneumonitis which can be fatal.

ECOLOGICAL INFORMATION

Basis for assessment:	Information given is based on product data
Mobility:	Floats partially on water. Dissolved material adsorbs strongly to sediment. Evaporates within a day from water or soil surfaces. Adsorbs to soil and is not mobile.
Persistence/degradability:	Inherently biodegradable, ethanol 100% easily biodegradable. Oxidises rapidly by photo-chemical reactions in air. Integrated environmental half-life expected to be 1< 10 days.
Bioaccumulation:	Has the potential to bio-accumulate
Other information:	In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life.

DISPOSAL CONSIDERATIONS

Precautions:	Refer to Section 7 before handling the product or containers.
Waste disposal:	Recover or recycle if possible.
Otherwise:	Incineration
Product disposal:	Recover or recycle if possible. Otherwise: incineration
Container disposal:	Drain container thoroughly. After draining, vent in a safe place away from sparks an fire. Residues may cause an explosion hazard. Do not puncture, cut or weld un-cleaned drums. Send to drum recoverer or metal reclaimer.
Local legislation:	The recommendations given are considered appropriate for safe disposal. However, local regulations may be more stringent and these must be complied with.

TRANSPORT INFORMATION

Road transport ADR/RID

Class:	3
Item:	3 (b)
Hazard symbol:	Flammable liquid
Proper shipping name:	Flammable liquid, n.o.s. (solvent naphtha)
Kemler number:	33

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UN No.:	1993
Maritime transport IMO	
UN No.:	1993
Class:	3.2
Packing group:	II
Hazard symbol:	flammable liquid
Marine pollutant:	no
Proper shipping name:	flammable liquid, n.o.s. (solvent naphtha)

REGULATORY INFORMATION

EC classification:	Highly flammable, harmful
EC symbols:	(F) Highly flammable (Xn) Harmful
EC risk phrases:	(R11) Highly flammable
EC safety phrases:	(S9) Keep container in a well-ventilated place (S16) Keep away from sources of ignition – no smoking (S23) Do not breathe vapour (S24) Avoid contact with skin (S33) Take precautionary measures against static discharges (S62) If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

OTHER INFORMATION

Uses and restrictions:	Use as a cleaner only in industrial manufacturing processes in case of private use further regulations and restrictions have to be considered. The recipients we use are not necessarily admitted for private use.
SDS distribution:	The information in this document should be made available to all who may handle the product.