

MATERIAL SAFETY DATA SHEET

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1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME: **SOLVENT DEGREASER**

MANUFACTURER/SUPPLIER: **EUROCHEM (NORTHERN) LTD.**

*White Rose Business Park,
Larsen Road,
GOOLE,
EAST RIDING OF YORKSHIRE.
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EMERGENCY TELEPHONE AS ABOVE.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION: **KEROSENE & NONYL PHENOL ETHOXYLATE**

3. HAZARD IDENTIFICATION

THIS PRODUCT CONTAINS A DISTILLATE WHICH WHEN UNDILUTED HAS BEEN SHOWN IN EXPERIMENTAL ANIMAL STUDIES TO BE A WEAK SKIN CARCINOGEN.. THE RISK OF SKIN CANCER WILL BE VERY LOW, PROVIDING THE HANDLING PRECAUTIONS ARE SUCH THAT PROLONGED AND REPEATED SKIN CONTACT IS AVOIDED AND GOOD PERSONAL HYGIENE IS OBSERVED.

4. FIRST AID MEASURES

EYES: *RINSE IMMEDIATELY WITH PLENTY OF WATER UNTIL IRRITATION SUBSIDES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION.*

LUNGS: *IN EMERGENCY SITUATIONS USE PROPER RESPIRATORY PROTECTION TO IMMEDIATELY REMOVE THE EFFECTED VICTIM FROM EXPOSURE. ADMINISTER ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. KEEP AT REST. CALL FOR PROMPT MEDICAL ATTENTION.*

SKIN: *IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER, USING SOAP IF AVAILABLE. REMOVE CONTAMINATED CLOTHING, INCLUDING SHOES, AFTER FLUSHING HAS BEGUN. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.*

MOUTH: *DO NOT INDUCE VOMITING, SINCE IT IS IMPORTANT THAT NO AMOUNT OF THE MATERIAL SHOULD ENTER THE LUNGS (ASPIRATION). KEEP AT REST. GET PROMPT MEDICAL ATTENTION.*

PRESSURE

INJECTION: *ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN THOUGH THE INJURY MAY APPEAR MINOR.*

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: *FOAM, DRY CHEMICAL POWDER, CARBON DIOXIDE.*

FIRE AND EXPLOSION HAZARDS: *FLAMMABLE, MODERATE HAZARD. LIQUID CAN RELEASE VAPOUR WHICH FORMS FLAMMABLE MIXTURES AT OR ABOVE THE FLASH POINT. STATIC DISCHARGE; MATERIAL CAN ACCUMULATE STATIC CHARGES WHICH MAY CAUSE AN INCENDIARY ELECTRICAL DISCHARGE.*

SPECIAL FIRE -FIGHTING PROCEDURES:

WATER, FOG OR SPRAY TO COOL FIRE EXPOSED SURFACES (eg CONTAINERS) AND TO PROTECT PERSONAL. SHOULD ONLY BE USED BY PERSONAL TRAINED IN FIRE FIGHTING. CUT OFF "FUEL"; DEPENDING ON CIRCUMSTANCES, EITHER ALLOW THE FIRE TO

BURN OUT UNDER CONTROLLED CONDITIONS OR USE DRY FOAM OR DRY CHEMICAL POWDER TO EXTINGUISH THE FIRE. RESPIRATORY AND EYE PROTECTION REQUIRED FOR FIRE FIGHTING PERSONNEL EXPOSED TO FIRE AND SMOKE.

HAZARDOUS COMBUSTION PRODUCTS:

SMOKE AND CARBON MONOXIDE IN THE EVENT OF INCOMPLETE COMBUSTION.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: SEE SECTION 8

ENVIRONMENTAL PRECAUTIONS:

LAND SPILL: ELIMINATE SOURCES OF IGNITION. SHUT OFF SOURCE TAKING NORMAL SAFETY PRECAUTIONS. PREVENT LIQUID FROM ENTERING SEWERS, WATER COURSES OR LOW LYING AREAS; ADVISE THE RELEVANT AUTHORITIES IF IT HAS, OR IF IT CONTAMINATES SOIL/VEGETATION. TAKE MEASURES TO MINIMISE THE EFFECTS OF GROUNDWATER.

WATER SPILL: ELIMINATE SOURCES OF IGNITION AND WORN OTHER SHIPPING TO STAY CLEAR. NOTIFY PORT OR OTHER RELEVANT AUTHORITIES. DO NOT CONFINE IN AREA OF LEAKAGE. REMOVE FROM THE SURFACE BY SKIMMING OR WITH SUITABLE ABSORBENTS. DISPERSE THE RESIDUE IN UNCONFINED WATERS, IF PERMITTED BY LOCAL AUTHORITIES AND ENVIRONMENTAL AGENCIES.

DECONTAMINATION PROCEDURES: RECOVER BY SKIMMING OR PUMPING USING EXPLOSION-PROOF EQUIPMENT, OR CONTAIN SPILLED LIQUID WITH BOOMS, SAND OR OTHER SUITABLE ABSORBENT AND REMOVE MECHANICALLY INTO CONTAINERS. IF NECESSARY, DISPOSE OF ABSORBED RESIDUES AS DIRECTED IN SECTION 13..

7. HANDLING AND STORAGE

THE DESIGN AND OPERATION OF BULK STORAGE AND FUEL SYSTEMS MUST COMPLY WITH NATIONAL LEGISLATION AND RECOGNISED CODES OF GOOD PRACTICE. IN SIMILAR QUANTITIES, CONTAINERS SUCH AS DRUMS SHOULD BE STORED IN COOL, WELL- VENTILATED SURROUNDINGS, AWAY FROM ALL SOURCES OF IGNITION. ELECTRICAL EQUIPMENT AND FITTINGS MUST COMPLY WITH LOCAL FIRE PREVENTION REGULATIONS FOR THIS CLASS OF FLAMMABLE PRODUCT.

LOAD/UNLOAD TEMPERATURE: AMBIENT TO 40°C STORAGE TEMPERATURE: AMBIENT TO 40°C

SPECIAL PRECAUTIONS

ENSURE COMPLIANCE WITH STATUTORY REQUIREMENTS FOR STORAGE AND HANDLING.. USE THE CORRECT GROUNDING PROCEDURE. STORE AND HANDLE IN CLOSED OR PROPERLY VENTED CONTAINERS. PREVENT SMALL SPILLS AND LEAKAGES TO AVOID SLIP HAZARD.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE STANDARD:	SUBSTANCE	8-HOUR TWA	STEL	SOURCE/OTHER INFO
	MINERAL OIL MIST	5mgm-3	10mgm-3	HSE OCCUPATIONAL EXPOSURE LIMITS

ENGINEERING MEASURES: USE ONLY EXPLOSION PROOF ELECTRICAL EQUIPMENT IF VENTILATION IS USED TO REDUCE ATMOSPHERIC LEVELS.

PERSONAL PROTECTION: IN OPEN SYSTEMS WHERE CONTACT IS LIKELY, WEAR SAFETY GOGGLES, CHEMICAL RESISTANT OVERALLS, AND CHEMICALLY IMPERVIOUS GLOVES. WHERE ONLY INCIDENTAL CONTACT IS LIKELY, WEAR SAFETY GLASSES WITH SIDE SHIELDS. NO OTHER SPECIAL PRECAUTIONS ARE NECESSARY PROVIDED SKIN/EYE IS AVOIDED. WHERE CONCENTRATIONS IN AIR MAY EXCEED THE OES APPROVED RESPIRATORS MAY BE REQUIRED.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	LIQUID
COLOUR:	COLOURLESS
ODOUR:	MILD PARAFFINIC
Ph:	N/A
SPECIFIC GRAVITY AT 15°C:	0.775-0.820
VAPOUR PRESSURE AT 20°C:	3.0
VAPOUR DENSITY (AIR=1):	<AIR
BOILING POINT °C:	150-300°C (TYPICALLY)
POUR POINT:	-2°C
FLASH POINT (ASTM D 56) °C:	38 MIN
AUTO IGNITION TEMPERATURE °C:	250°C
FLAMMABILITY LIMIT, IN AIR, % BY VOLUME:	LEL: 0.5 UEL: 0.6
SOLUBILITY:	NEGLIGIBLE AT 20°C

10. STABILITY AND REACTIVITY

STABILITY:	<i>THIS PRODUCT IS STABLE AND NOT SUBJECT TO POLYMERISATION.</i>
CONDITIONS TO AVOID:	<i>AVOID EXPOSURE TO EXTREME HEAT, HEAT SOURCES, OPEN FLAMES AND OTHER SOURCES OF IGNITION.</i>
MATERIALS TO AVOID:	<i>AVOID CONTACT WITH STRONG OXIDISING AGENTS SUCH AS LIQUID CHLORINE.</i>
HAZARDOUS DECOMPOSITION PRODUCTS:	<i>PRODUCT DOES NOT DECOMPOSE AT AMBIENT TEMPERATURE</i>

11. TOXICOLOGICAL INFORMATION

AFTER SKIN CONTACT:	<i>LOW ORDER OF ACUTE TOXICITY. IRRITATING. PROLONGED OR REPEATED CONTACT MAY ALSO LEAD TO DERMATITIS.</i>
AFTER EYE CONTACT:	<i>SLIGHTLY IRRITATING BUT DOES NOT DAMAGE EYE TISSUE.</i>
AFTER INGESTION:	<i>LOW ORDER OF ACUTE/SYSTEMIC TOXICITY.</i>
AFTER INHALATION:	<i>NEGLIGIBLE HAZARD AT AMBIENT / NORMAL HANDLING TEMPERATURES. IN HIGH CONCENTRATIONS AND/OR AT ELEVATED TEMPERATURES, VAPOUR OR MIST IS IRRITATING TO MUCOUS MEMBRANES, MAY CAUSE HEADACHES AND DIZZINESS, MAY BE ANAESTHETIC AND MAY CAUSE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.. ELEVATED TEMPERATURES OR MECHANICAL ACTION MAY FORM VAPOURS, MISTS OR FUMES WHICH MAY BE IRRITATING TO THE EYES, NOSE, THROAT AND LUNGS. AVOID BREATHING VAPOURS, MIST OR FUMES.</i>

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY:

IN THE ABSENCE OF SPECIFIC ENVIRONMENTAL DATA FOR THIS PRODUCT, THIS ASSESSMENT IS BASED ON INFORMATION FOR GENERAL HYDROCARBON COMPONENTS FOUND IN DISTILLATE FUELS. DISTILLATE FUELS RELEASED INTO THE ENVIRONMENT WILL VOLATILIZE INTO THE ATMOSPHERE AND DISPERSE. THEY CAN ALSO LEACH INTO SOIL AND SOLUBILIZE INTO WATER. BASED ON CHEMICAL/PHYSICAL AND BIOLOGICAL DATA FROM THE LITERATURE FOR SELECTED COMPONENTS IN THIS PRODUCT, HARMFUL EFFECTS TO TERRESTRIAL OR AQUATIC HABITATS COULD OCCUR.. THE MAJORITY OF COMPONENTS IN THIS PRODUCT WOULD BE EXPECTED TO BIO-DEGRADE AT SLOW TO MODERATE RATES AND WOULD NOT BE EXPECTED TO PERSIST IN THE ENVIRONMENT. A MINORITY OF COMPONENTS WOULD DEGRADE MORE SLOWLY AND WOULD BE PERSISTENT.

13. DISPOSAL CONSIDERATIONS

DO NOT WASH DOWN DRAINS UNLESS FULLY DILUTED.

THE PREPARATION IS A HAZARDOUS WASTE UNDER THE ENVIRONMENTAL PROTECTION ACT, CONTROL OF POLLUTION AND SPILLAGE MUST BE DISPOSED OF BY A REGISTERED WASTE DISPOSAL COMPANY IN ACCORDANCE WITH APPLICABLE LOCAL NATIONAL REGULATIONS.

*DISPOSAL OF PACKAGING: RECYCLE OR SCRAP AFTER DECONTAMINATION AS APPROPRIATE.
THE PRODUCT CONTAINS HAZARDOUS INGREDIENTS LISTED IN SECTION 2..*

14. TRANSPORT INFORMATION

CLASSIFICATION FOR

TRANSPORT:	<i>RAIL CARS, TANK TRUCKS, CYLINDERS (SPECIAL STORAGE EQUIPMENT)</i>
SHIPPING NAME:	<i>(MAJOR INGREDIENT) AVIATION, KEROSENE, AVTUR, JET A1</i>
UN NUMBER:	<i>1993</i>
PACKAGING GROUP:	<i>N/A</i>
UN CLASS:	<i>3</i>
ADR/RID:	<i>3</i>
IMO/IMDG:	<i>3.3</i>
ICAO/IATA:	<i>3</i>
HAZCHEM LABEL:	<i>3</i>

15. REGULATORY INFORMATION

HAZARD LABEL DATA: *Xn – HARMFUL* *Xi – IRRITANT*

R & S PHRASES: *R38 IRRITATING TO SKIN*
R65 HARMFUL; MAY CAUSE LUNG DAMAGE IF SWALLOWED
S2 KEEP OUT OF REACH OF CHILDREN
S23 DO NOT BREATHE VAPOURS
S24 AVOID CONTACT WITH SKIN
S43 IN CASE OF FIRE (SEE SECTION 5)
*S62 IF SWALLOWED DO NOT INDUCE VOMITING, SEEK MEDICAL ADVICE
SHOWING LABEL OR CONTAINER*

EC DIRECTIVES: *EC DIRECTIVE 91/155/EEC*
WASTE OIL DIRECTIVE 87/101/EEC

STATUTORY INFORMATION:

THE HEALTH AND SAFETY AT WORK ACT 1974
CONSUMER PROTECTION ACT 1987
ENVIRONMENTAL PROTECTION ACT 1990
CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS 1994
CHEMICALS (HAZARD INFORMATION AND PACKAGING) REGULATIONS 1997

16. OTHER INFORMATION

***THE INFORMATION IN THIS DOCUMENT DOES NOT CONSTITUTE AN ASSESSMENT OF THE USERS
WORKPLACE RISK AS REQUIRED IN OTHER HEALTH AND SAFETY LEGISLATION***