

Originated 01/05/1998

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name : Nickal Anti-seize
 Product Code : NA 117
 Use/Description of Product : Nickal / Aluminium Grease for automotive & Industrial Use
 Company Name : Rotec Industries
 Unit 3a. Broad Oak
 Redbrook Maelor
 Whitchurch
 Shropshire
 SY13 3AQ
 Telephone : 01948 780 111
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Substance Name	EINECS No.	CAS No.	% Conc Range	Hazard Symbols	Risk Phrases
ACETONE	200-662-2	67-64-1	20 - 40	Xi,F,	36-66-67-11
HEPTANE	205-563-8	142-82-5	01 - 10	Xi,F,N,Xn	38-11-50/53 65-67
Methycyclohexane	203-624-3	108-87-2	01 - 10	F,Xi,N,Xn	11-38-51/53
OCTANE	203-892-1	111-65-9	01 - 10	F,Xi,N,Xn	11-38-50/53
BUTANE	203-448-7	106-97-8	20 - 40	F+	12

3. HAZARD IDENTIFICATION

Classifications:

F+ - Extremely Flammable, Irritant to Eyes

Risk Phrases :

Extremely Flammable – Irritating to the Eyes – Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment – Repeated exposure may cause skin dryness of cracking – Vapours may cause drowsiness and dizziness.

Main Hazard Overview :

Prolonged or repeated exposure to products containing refined mineral oil or HBPF distillates may result in dermatitis unless good personal hygiene is used. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 deg C. do not pierce or burn even after use. Do not spray on a naked flame or any incandescent material. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

4. FIRST AID MEASURES (SYMPTOMS) part 1

Skin Contact : There may be irritation at the site of contact.
 Eye Contact : There may be irritation and/or redness.
 Ingestion : There may be irritation of the throat. There may be vomiting.
 Inhalation : There may be irritation of the throat. There may be vomiting.

4. FIRST AID MEASURES (ACTIONS) part 2

General

In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

Skin Contact

Remove contaminated clothing unless stuck to skin. Wash skin thoroughly with soap and water..

Eye Contact

Irrigate copiously with clean, fresh water for at least 15 minutes, Seek medical advice.

Ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting. Show medical personnel a copy of this SDS.

Inhalation

Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious check for breathing and apply artificial respiration if necessary. If unconscious and breathing is correct, place in recovery position. If conscious ensure that the casualty sits or lies down. Seek medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing Media : Carbon Dioxide, Dry powder.

Protection of Fire-fighters : wear self contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Exclude sources of ignition and ventilate the area. Exclude non-essential personnel, Avoid breathing vapours. Refer to section 8 of SDS for personal protection details.

Environmental Precautions : Do not discharge into drains or rivers. Contain spillage with bunding.

Clean-up Procedures : Absorb into dry earth or sand. Transfer to closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

Handling requirements

Do not use in areas where potential sources of ignition exist..
Use non-sparking tools and exclude sources of heat, sparks and flames.
Avoid skin and eye contact. For personal protection see section 8 of the SDS.

Storage Conditions

Store in a cool well ventilated area. Keep container lid tightly closed. The floor of the storage room must be impermeable to prevent the escape of liquids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients :

Substance Name	Occupational Exposure Limit				Notation
	15 min STEL		8 hr LTEL		
	ppm	Mg/m3	ppm	Mg/m3	
ACETONE	1500.00	3620.00	500.00	1210.00	OES
n-Heptane			500.00		OES
BUTANE	750.00	1810.00	600.00	1450.00	OES

Engineering Measures

Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids

Respiratory Protection

Self contained breathing apparatus must be available for use in case of an emergency

Hand Protection

Protective Gloves

Eye protection

Eye protection designed to protect against liquid splashes should be worn. Ensure eye bath is to hand

Skin Protection

Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Aerosol
Colour	:	Silver
Odour	:	Slight Oil Smell
Evaporation Rate	:	Heavier than air. No specific data available
Solubility in Water	:	IMMISCIBLE
Flash Point C	:	-20 deg C Method Abel Apparatus to British Standard BS 2000 Pt.170
Specific Gravity	:	0.820 grams / cc method weight per gallon cup

10. STABILITY AND REACTIVITY

Stability	:	Stable under normal conditions.
Conditions to avoid	:	Heat
Materials to avoid	:	Strong oxidising agents. Strong acids
Haz. Decomp. Products	:	In combustion emits toxic fumes

11. TOXICOLOGICAL INFORMATION

Routes of exposure	:	Refer to section 4 of SDS for routes of exposure and corresponding symptoms.
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12. ECOLOGICAL INFORMATION

Aquatic Toxicity Effects	:	Toxic to Aquatic Organisms.
Organic Toxicity Effects	:	No data available
Persistence/Mobility	:	No data available
Bioaccumulation	:	No data available

13. DISPOSAL INFORMATION

NB:

Do not allow large quantities to enter the drains or water courses or dispose of where ground or surface waters may be affected. The users attention is drawn to the possible existence of regional or national regulation regarding disposal, Consult local Regulations.

14. TRANSPORT INFORMATION

Road/Rail	:UN No.....1950	Packing Group....N/A	Class..... 2
	Designation.....AEROSOL DISPENSERS NOS		
Sea	:Packing Grp. .N/A	Packing Grp. .N/A	Class.....2
	Marine Pollutant.....No	UN No.....1950	
	EMS.....F-D-S-U	MFAG.....	Sub risk---See SP63
	Main Risk.....FLAMMABLE		
	Shipping Name.....AEROSOL DISPENSERS NOS		

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information & Packaging) Regulations as follows:



Classifications	:	F+ - Extremely Flammable Xi - Irritant N Dangerous to Environment
Contains	:	
Risk Phrases	:	12 Extremely Flammable 36 Irritating to the eyes 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 67 Vapours may cause drowsiness and dizziness.
Safety Phrases	:	2 Keep out of reach of children. 16 Keep away from sources of ignition – No Smoking 23 Do not breathe gas/fumes/vapour/spray. 24/25 Avoid contact with skin and eyes 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice 29 Do not empty into drains. 37 Wear suitable gloves. 51 Use only in well ventilated areas. 61 Avoid release into the environment, Refer to special Data sheets.
P Phrases	:	

The information contained in this Safety data Sheet does not constitute the users own assessment of the workplace risks as required by other Health & Safety Legislations. The provisions of the Health & Safety at work Etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product in a suitable work environment.

16. ADDITIONAL INFORMATION

Risk Phrases Listed in Section 2

R 11	Highly Flammable
R12	Extremely Flammable
R 36	Irritating to the eyes.
R38	Irritating to skin.
R50/53	Very toxic to aquatic organisms may cause long-term adverse effects in aquatic Environment.
R50/53	Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
R 65	Harmful: may cause lung damage if swallowed.
R 67	Vapours may cause drowsiness or dizziness.

Legal Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with this product.