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Material Safety Data Sheet
following EEC Instructions 91/155

*Product name : ^vMAKITA HAMMER GREASE/PASTE-Part Nr. P-08361 Revised 14/3/2001
_{SDS}

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

*Product name : MAKITA HAMMER GREASE/PASTE-Part Nr.P-08361

*Product code : P- 08361

*Commercial use : General purpose ,high performances,E.P.Grease,Lithium based plus MoS2.

*Supplier : AR.I.CHIMICA sas
Via Soperga ,32
20127 Milano,Italy
tel. 02/26117342-26115598 fax 02/2619750

2. COMPOSITION/INFORMATION ON INGREDIENTS

*Name of the substances in the product, considered very toxic or toxic if more than 0.1 %.

-EEC or CAS number:MoS2 CAS 1317-335

-Chemical name

-Maximum percentage

*Name of the substances in the product, considered harmful, corrosive, irritating if more than 1 %, excepted the substances listed in enclosure 1 of the EEC/548 instructions and EEC 88/379

-EEC or CAS number:none

-Chemical name

-Maximum percentage

*Name of the substances in the product, considered easily flammable or highly flammable listed in the enclosure 1 of the EEC instructions 67/548.

-EEC or CAS number: none.

-Chemical name

-Maximum percentage

3. IDENTIFICATION OF HAZARDS

*Principal hazards : None in the normal usage.

*Harmful effects on health :None

*Environmental effects:None

*Specific hazards (law 05.03.63 : Benzene and homologous) :None

*Specific hazards (law 17.12.77 : Dangerous substances) :None

Material Safety Data Sheet

following EEC Instructions 91/155

*Product name : **MAKITA HAMMER GREASE/PASTE-Part Nr. P-08361** Revised 14/3/2001

*Specific hazards (law 61/1981 : Aromatic Amines): None

*Specific hazards (law 7/1977 : Cutting oils labelling):None

*Harmful substances from the use of the product :None

*Flammable substances from the use of the product :None

*Explosion or deformation of the container :None

4. FIRST AIDIn serious accidents, call a doctor or medical emergency services.

Advices in case of :

*Inhalation : of steams in high temperature only:bring the patient to the fresh air.

*Skin contact: wash with water and soap.

*Eye contact: flush immediately with plenty of water.Remove the parts of grease.

*Ingestion: not needed a special treatment.Do not induce vomiting.Call a doctor.

*Aspiration: see inhalation.

-Notes to a Phisician : treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammable : No

Not flammable :Yes.

EXTINGUISHING MEDIA : Suitable:Foams,CO₂,Powders.

Not suitable:Sprayed water.

Toxic gases from the combustion :CO,CO₂,Hydrocarbons.

Special fire fighting requirements:Antifire systems.Masks against the smokes of combustion.

6. ACCIDENTAL RELEASE MEASURES :

*Personal precautions :use gloves,goggles,apron if prolonged contact.

*Environmental precautions :if spills, use saw,sand and absorbent media.

*Clean up methods :

Recovery :

Disposal :

7. HANDLING AND STORAGE

Handling:Store at room temperature.Keep closed the container.Use gloves for prolonged contact.

Storage: keep away from heat and flames,even if not flammable.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION: no dangerous substances.

Exposure control : See point 4

Personal protection : See point 4

Hands :

Skin :

Eyes :

Breathing :

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Semifluid grease-paste, butter like.

Colour : Black-Grey.

Odour : Light of petroleum..

pH : no significance.

Water solubility : no significance. But closed to the insolubility.

Specific gravity : at 20°C, 0,900 kg/liter

E:P: additives MoS₂

Flammability (ASTM D-92) more than 220°C of the base fluid

Dropping point more than 200°C

Consistency ASTM D-217 (workwd) 445 mm/10

10. STABILITY AND REACTIVITY: Stable if commonly used and in normal usage.

Conditions to avoid : the presence of strong oxidizing substances.

Materials to avoid : see above.

Dangerous products of decomposition : CO, CO², Hydrocarbons, Aldehyds.

11. TOXICOLOGICAL INFORMATIONS

Not available experimental datas. The effects on the health are referred to the characteristics of danger of the various ingredients and of their concentration in the product (see point 2).

LD 50 (oral rat) g/kg < 5
mg/L

LD 50 (rabbit skin) g/kg < 10

LC 50 (4 hours inhalation rats)

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Limit of professional exposure - TLV :No significance.

As per EEC Instructions 88/379 the product is not considered harmful or irritating :see point 4.

As per EEC Instructions 88/379 the product is to be considered :see point 4.

12. ECOLOGICAL INFORMATION

Use the product in the best operating conditions. Do not waste in the environment.

Notes :Not soluble in water.If spilled, the product do not moves easily into the ground.Some parts are biodegradable,some others not.Not harmful for the vegetables,low risk for the waters.

13. DISPOSAL CONSIDERATIONS

Give the emptied tins to the authorized Contractor, do not waste the empty container in the environment. Follow and refer to local regulations.

14. TRANSPORT INFORMATIONS:no particular requirements.

On road (ADR) :

By air (ICAO-IATA) :

By sea (IMO) :

By railway (RID) :

15. REGULATORY INFORMATIONS

Labelling : DPR 741 OF 21.07.1982 - EEC INSTRUCTION Nr. 324 :

No limitations.No particular labelling.No risks.

R phrases:None. S phrases:None.

16. OTHER INFORMATIONS

Date of circulation of this data sheet :25/10/1995

This sheet supersedes and replaces the previous data sheet.

Sources : NIOSH -REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (1983).

I.S.S.-TOXICOLOGICAL DATAS OF ORGANIC SOLVENTS USED IN THE INDUSTRY-1985-

I.S.S.-NATIONAL INVENTORY OF THE CHEMICAL SUBSTANCES

FICHE TOXICOLOGIQUE CESIO

CLASSIFICATION AND LABELLING OF ANIONIC, NON-IONIC SURFACTANTS (1990)-

This data is complementary to the technical bulletin of use but does not replace it. The information contained herein is based on the state of our knowledge concerning the products as at the data indicated. It has been given in good faith. The user however, should be aware of subsequent risks that may arise if this product is used in a manner for which it is not being developed. However, this does not give a dispensation to the user not to have knowledge of and apply the appropriate regulations relating to his business. The sole responsibility lies with the user rather than the producer, the regulatory requirements assembled here are set down simply to help the final user fulfil his statutory obligations, however this listing should not be considered as exhaustive. The user must issue himself that he is taking all necessary obligations other than what is set down in the text here.