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## ULTIMATE A4

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### 1. Identification of the substance/preparation and of the company/firm

#### 1.1 Product Identifier

Commercial Name : ULTIMATE A4  
Chemical Name/Product description : Preparation of solid lubricants  
CAS NO. : --  
CE NO. : --  
REACH Status : Not Applicable, preparations- Ref. Sec. 3.2

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Abrasive materials, composite materials, industrial applications in the brake industry.

Uses advised against: No more information available.

#### 1.3 Details of the supplier of the safety information data sheet

ITAPROCHIM S.r.l.  
Via Carlo Bianconi 8/A, 20139 Milano (Italy)  
Tel. +390257303726 Fax +39 0256817644  
e-mail: [quality@itaprochim.it](mailto:quality@itaprochim.it)

#### 1.4 Emergency telephone number

ITAPROCHIM SRL  
Tel. +39 0257303726 (available from 9.00 to 18.00)  
Tel. +39 0382 800873 (available from 8.00 to 16.30)

### 2. Hazards identification

#### 2.1 Classification of the substance or preparation according to reg. 1272/2008 EC (CLP) as amended and aligned.

The product is not classified as hazardous according to the provisions of Regulation 1272/2008 EC (CLP), as amended and aligned.

#### 2.2 Label Elements

Pictograms: None  
Warning: None  
Hazard Statements: None  
Precautionary Statements: None

#### 2.3 Other Hazards

No more information available.

### 3. Composition/information on ingredients

#### 3.1 Substances

Not applicable.

#### 3.2 Preparations

Identification	Concentration (% w/w)	Classification according to reg. 1272/2008 EC
Molybdenum sulfide CAS 1317-33-5 CE 215-263-9 REACH Ann. V	20- 30	Not classified
Artificial Graphite CAS 7782- 42- 5 CE 231-955-3	< 25	Not classified

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### 4. First Aid Measures

#### 4.1 Description of first aid measures

There are no known episodes of harm to people responsibility for using the product. If necessary, adopt the following general measures:

INHALATION: Take the person involved out into the open air. Consult a doctor immediately.

INGESTION: Consult a doctor immediately. Do not give anything by mouth if the subject is unconscious.

SKIN AND EYE CONTACT: Wash with plenty of water. Consult a doctor if symptoms arise.

#### 4.2 Main symptoms and effects, both acute and delayed

No information available.

#### 4.3 Indication of any immediate need to consult a doctor special treatment

No information available.

### 5. Firefighting Measures

#### 5.1 Extinguishing means

Suitable extinguishing media: CO<sub>2</sub>, water spray (fog) or foam.

Not suitable extinguishing media: Use water jets only for the cooling of surrounding areas or potentially explosive containers.

#### 5.2 Special hazards arising from the substance or mixture

Avoid breathing decomposition products.

#### 5.3 Recommended for firefighters

##### GENERAL INFORMATION

Always wear complete fire protection equipment. Collect extinguishing water that should not be discharged into drains. Dispose of contaminated water used for fire extinguishing and residues in accordance with current regulations.

EQUIPMENT Firefighting equipment such as an open air compressor (EN 137), full flame retardant (EN469), flame retardant gloves (EN 659) and boots for firefighters (HO A29 or A30).

### 6. Measures in the event of accidental spillage

#### 6.1 Personal precautions, protective equipment and procedures in case of an emergency

Avoid dust formation by spraying the product with water, if there are no contraindications.

Avoid breathing vapors / mists / gases. Wear personal protective equipment to prevent contamination of skin, eyes and personal clothing. These indications are valid both for workers to work and for emergency personnel.

#### 6.2 Environmental precautions

Do not allow product enter drains, surface and ground water.

#### 6.3 Methods and material for containment and reclamation

Collect the product by mechanical equipment wearing glasses and dust mask and place in an appropriate waste disposal container. Prevent it from entering the sewer system.

Collect the product by mechanical equipment and put it in containers for recovery or disposal. Remove the residue with jets of water if there are no contraindications. Provide an adequate ventilation. See section 7 for more information.

The disposal of the contaminated material must be considered compliant with the rules of point 13.

#### 6.4 Reference to other sections

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

### 7. Handling and Storage

#### 7.1 Precautions for safe handling

Avoid dust generation. Ensure adequate ventilation. In case of insufficient ventilation wear suitable protective and breathing devices.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep the product in clearly labeled containers.

Store containers away from incompatible materials, checking section 10.

Avoid dust generation during handling. Avoid the breaking of the packaging.

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### 7.3 Specific End uses

No information available.

### 8. Exposure Controls/Personal Protection

#### 8.1 Control Parameters

Observe every exposure limits imposed by law.

- Molybdenum disulphide

ACGIH (TLV-TWA) 10 mg / m<sup>3</sup>

- Graphite

ACGIH TWA: 2.0 mg/ m<sup>3</sup> Respirable dust  
10.0 mg/ m<sup>3</sup> Inhalable dust

#### 8.2 Exposure controls

Observe the usual safety measures when handling chemicals. Minimize dust formation. Ensure an adequate ventilation.

HAND PROTECTION

Wear protective gloves.

SKIN PROTECTION

Not necessary. Wear protective clothes.

EYE PROTECTION

Wear safety goggles.

RESPIRATORY PROTECTION

Wear safety masks with category 2 or 3 filters (FP2 - FP3). See EN 143: 2000 - Respiratory protective devices. Particles filters.

ENVIRONMENTAL EXPOSURE CONTROLS.

Emissions from production processes, including those from ventilation equipment, must be checked for compliance with environmental protection legislation. Avoid the formation of dust and dispersion due to wind.

### 9. Physical and Chemical Properties

#### 9.1 Information on basic physical and chemical properties

Appearance	: Powder
Colour	: Dark grey
Smell	: Odorless
Odour Threshold	: N.A. (Not applicable)
pH	: N.A. (Not available)
Melting point/Freezing point	: N.A. (Not available)
Initial boiling point	: N.A. (Not applicable)
Boiling range	: N.A. (Not applicable)
Flash point	: N.A. (Not applicable)
Evaporation rate	: N.A. (Not applicable)
Flammability (solid, gas)	: Not flammable
Lower Flammability limit	: N.A. (not available)
Upper Flammability limit	: N.A. (not available)
Lower Explosive limit	: N.A. (not available)
Upper Explosive limit	: N.A. (not available)
Vapour Pressure	: N.A. (not applicable)
Vapour Density	: N.A. (not applicable)
Relative Density	: 3.3- 3.4
Solubility	: N.A. (not available)
Partition coefficient: n-octanol/water	: N.A. (not available)
Auto-ignition temperature	: N.A. (not available)
Decomposition temperature	: N.A. (not available)
Viscosity	: N.A. (not applicable)

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Explosive Properties : N.A. (not applicable)  
Oxidizing Properties : N.A. (not applicable)

### 9.2 Other Information

VOC (Dir. 1999/13/CE) : N.A. (not available)  
VOC (volatile carbon) : N.A. (not available)

### 10. Stability e Reactivity

#### 10.1 Reactivity

No reactivity under normal conditions of use and storage.

#### 10.2 Chemical Stability

Stable under normal conditions of use and storage.

#### 10.3 Possibility of hazardous reactions

No hazardous reaction under normal conditions.

#### 10.4 Conditions to be avoid

None in particular.

#### 10.5 Incompatible materials

Oxidizing agents.

#### 10.6 Hazardous decomposition products

Flame or oxidizing agents produces CO<sub>2</sub>, CO and SO<sub>x</sub>

### 11. Toxicological Information

#### 11.1 Information on toxicological effects

No information available.

Acute toxicity: No information available.

Sensitization: N.A.

Mutagenicity: N.A.

Carcinogenicity: N.A.

Inhalation: None known.

Skin Contact: None known.

Eye contact: Not available.

Ingestion: Not available.

Chronic Effects: No information available.

### 12. Ecological Information

Use according to good working practices. Advise the competent authorities if the product has reached a higher level.

#### 12.1 Toxicity

No data available.

#### 12.2 Persistence and degradability

No data available.

#### 12.3 Bioaccumulation potential

No data available.

#### 12.4 Mobility in the ground

No data available.

#### 12.5 PBT and vPvB assessment results

Based on the available data, the product does not contain PBT or vPvB substances in excess of 0.1%.

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**12.6 Other adverse effects**

No further relevant information available.

**13. Disposal Considerations****13.1 Waste treatment methods**

Reuse, if possible. Product residues such as non-hazardous waste. Disposal must be entrusted to a waste management company, subject to national and, where appropriate, local legislation. For solid residues, consider the possibility of disposal at an authorized landfill.

**CONTAMINATED PACKAGING**

Contaminated packaging should be sent to recovery or disposal in accordance with national waste management regulations.

**14. Transport Information**

The product is not to be regarded as dangerous according to the regulations on the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

**14.1. UN Number.**

Not Applicable.

**14.2. UN Shipping name.**

Not Applicable.

**14.3. Transport danger class.**

Not Applicable.

**14.4. Packing group.**

Not Applicable.

**14.5. Environment danger.**

Not Applicable.

**14.6. Special precautions for users.**

Not Applicable.

**14.7. Bulk transport under Annex II di MARPOL 73/78 and IBC-code.**

Not Applicable.

**15. Regulatory Information****15.1 Safety, health and environmental regulations/legislation specific for the substance or preparation**

Seveso Category:

NO

Restrictions on the product or substances contained in Annex XVII Regulation (EC) 1907/2006:

NO

Candidate List Substances (Art. 59 REACH):

NO

Substances under Authorization (Annex XIV REACH):

NO

Substances subject to export notification requirement Reg. (EC) 649/2012:

NO

Substances under Rotterdam Convention:

NO

Substances under Stockholm Convention:

NO

Sanitary Controls: Workers must be subjected to health surveillance carried out in accordance with art. 41 of Legislative Decree 81 of 9 April 2008, except that the risk to the safety and health of the worker has been considered irrelevant, in accordance with Art. 224 paragraph 2.

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### 15.2 Chemical Safety Assessment

Not applicable.

### 16. Other Information

#### LEGEND:

ADR: European Agreement on the Transport of Dangerous Goods by Road  
CAS NUMBER: Number of the Chemical Abstract Service  
CE50: Concentration that affects 50% of the population under test  
CE NUMBER: Identification Number in ESIS (European Inventory of Existing Substances)  
CLP: EC Regulation 1272/2008  
DNEL: Effect less derived level - EmS: Emergency Schedule  
GHS: Global Harmonized System for Classification and Labeling of Chemicals  
IATA DGR: Regulation for the Carriage of Dangerous Goods by the International Air Transport Association  
IC50: Immobilization concentration of 50% of the test population  
IMDG: International Maritime Dangerous Goods Code  
IMO: International Maritime Organization  
INDEX NUMBER: Identification Number in Annex VI of the CLP  
LC50: Fatal Concentration 50%  
LD50: Fatal dose 50%  
OEL: Occupational exposure level  
PBT: Persistent, bioaccumulative and toxic according to REACH  
PEC: Predictable environmental concentration  
PEL: Predictive level of exposure  
PNEC: Predictable Concentration Without Effects  
REACH: Regulation EC 1907/2006  
RID: Regulation for the international carriage of dangerous goods by train  
TLV: Limit value of threshold  
TLV CEILING: Concentration that must not be exceeded at any time of the working exposure.  
TWA STEL: Short-term exposure limit  
TWA: Weighted average exposure limit  
VOC: Volatile organic compound  
VPvB: Very persistent and very Bioaccumulative according to REACH  
WGK: Aquatic hazard class (Germany).

#### GENERAL BIBLIOGRAPHY:

1. Regulation (EU) 1907/2006 of the European Parliament (REACH)
  2. Regulation (EU) 1272/2008 of the European Parliament (CLP)
  3. Regulation (EU) 790/2009 of the European Parliament (I Atp. CLP)
  4. Regulation (EU) 2015/830 of the European Parliament
  5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
  6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
  7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
  8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
  9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
  10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
- Reg. EC 453/2010, as amended and supplemented.  
Reg. EU 2015/830  
The Merck Index. - 10th Edition  
Handling Chemical Safety  
INRS - Fiche Toxicologique (toxicological sheet)  
Patty - Industrial Hygiene and Toxicology  
N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition  
ECHA Agency Website

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Note for the User: The information contained in this sheet is based on the knowledge available to us at the date of the last version. The user must ensure the suitability and completeness of the information in relation to the specific use of the product. You should not interpret this document as a guarantee for any specific property of the product. Because the use of the product does not fall under our direct control, it is the user's obligation to observe the laws and regulations in force regarding hygiene and safety under its own responsibility. They are not responsible for improper use. Provide adequate training to personnel involved in the use of chemicals.

Changes to previous revision: All