



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

1.1. MANUFACTURER AND PRODUCT

Manufacturer	“NMG Europe s.r.l.” – Via del San Michele 347/349 (GO) – I - 34170 – Italia Tel.: +39.0481.527.250
Product name	ATLAS HPE
Product use	core material for sandwich panel

1.2. COMPOSITION

Chemical name	CAS number	Quantity
Expanded interpenetrating network polymer (IPN) between a thermoset matrix mainly constituted by polyether/polyurethane linkages and a thermoplastic polymer	n.a.	100 %

2. PHYSICAL DATA

Appearance	rigid foam	Odour	odourless	Density	40 - 350 kg/m ³
Melting point	does not melt	Vapour pressure at 20°C	n.a.	Solubility in water	Insoluble

3. INGREDIENTS

Material	Weight (%)	TLV (ppm)	Hazard
Expanded IPN	100	---	---

4. IDENTIFICATION OF THE DANGER

Health danger	Not dangerous according to the CLP-Regulation (EC) n.1272/2008 and following modifications
Environmental danger	Not dangerous according to the CLP-Regulation (EC) n.1272/2008 and following modifications
REACH Classification	Not classified according to REACH-Regulation (EC) n.1907/2006 and following modification

5. FIRE AND EXPLOSION HAZARD DATA

Flash point	>300°C
Extinguishing media	water fog, dry chemicals, CO ₂ , foam, dust
Special fire fighting procedures	None
Special fire fighting protections	adequate to the fire extension
Unusual fire and explosion hazard	the dust collecting system must be protected from electrostatic energy accumulation



6. HEALTH HAZARD DATA

6.1. TLV-TWA

For the dust	10 mg/m ³
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6.2. EFFECTS

Skin absorption	no hazard known
Eye contact	in case penetration into the eyes only mechanical annoyances is possible
Inhalation	long-term exposure may lead to unspecified bronco-pulmonary pathologies but there are no epidemiological evidences
Ingestion	no risk known for small quantities

6.3. EMERGENCY AND FIRST AID PROCEDURES

Clothes contact	n.a.
Eye contact	consult a physician in case of lasting or painful irritation
Skin contact	n.a.
Inhalation	transport to medical facility in case of serious breath difficulty
Ingestion	consult a physician only in case of very large amounts are swallowed

7. REACTIVITY DATA

Stability	Stable
Condition to avoid	avoid exposure to flames
Chemical incompatibility	None
Hazardous decomposition products	none at RT
Hazardous polymerisation	will not occur

8. SPILL OR LEAK PROCEDURES

Personal protection	n.a.
Disposal method	as for all inert solids

9. SPECIAL PROTECTION INFORMATION

For the dust	
Respiratory protection	dust mask
Hand protection	usually not necessary, leather gloves protect from abrasions
Eye protection	wear goggles
Skin protection	usually not necessary
For the solid	usually not necessary



10. SPECIAL PRECAUTIONS

Handling	wear a dust-mask in case of very high dust concentration in the air
Storage	provide adequate fire fight facilities
Chemical incompatibility	None

11. HAZARD CLASSIFICATION INFORMATION

EEC classification	n.a.
Transportation classification	this product is not classified as dangerous for the transport

12. ENVIRONMENTAL INFORMATION

Environmental behavior	In normal conditions, inert
Eco - toxicity	n.a. (the product is not water soluble)
Behavior in depurative implants of water drain	n.a.
Content in CSB, BSB e AOX	n.a.
Precautions	Avoid that the product would reach watercourses and water drains or would penetrate into the ground

13. INFORMATION ON REGULATIONS

Labelling	Free from the EC/regulations for labelling
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14. CONSIDERATION ON THE DISPOSAL

Follow the UE directions, as well as the local, regional, and national dispositions. According to the local prescriptions, it can be reduced to ashes in appropriate implants. Use the disposal code for the typological and methodological treatments according to the European Catalogue of Disposal (CER). The recycle has to be done according to the national standards and to the environmental protection rules.

15. REGULATORY INFORMATION

Classification and labelling according to EC regulation: NOT REQUIRED
TLV/TWA/ limits: NOT APPLICABLE



16. OTHER INFORMATION

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Bibliography:

NIOSH - Registry of toxic effects of chemical substances (1983)

I.N.R.S. - Fiche Toxicologique

ACGIH - Threshold Limit Values - 2007 edition

CLP-Regulation (EC) n.1272/2008

REACH-Regulation (EC) n.1907/2006

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n.a. = Not applicable / not available