

SAFETY DATA SHEET

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


Identification of the substance or preparation:

Name: MAGNUS 1204.

Product code: M 1204.


Company/undertaking identification:

Registered company name: HENKEL SURFACE TECHNOLOGIES FRANCE.

Address: 82 Avenue du 85 de ligne.58200.COSNE SUR LOIRE.FRANCE.

Telephone: 03.86.28.70.00. Fax:03.86.28.12.37. Telex:.


Emergency telephone: 03.86.28.70.00.

Association/Organisation: I.N.R.S. : 01.45.42.59.59.


Use of the substance/preparation:

Refer to technical data sheet.



2 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 2: see section 16.


Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.


Other substances representing a hazard:

INDEX	CAS	EC	Name	Symb.	R:	%
			ISODECANOL ETHOXYLE (60E)	Xi	41	2.5 <= x % < 10
603-053-00-3	107-41-5	203-489-0	2-METHYLPENTANE-2,4-DIOL	Xi	36/38	2.5 <= x % < 10


Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
603-014-00-0	111-76-2	203-905-0	2-BUTOXYETHANOL	Xn	20/21/22 36/38	2.5 <= x % < 10
603-030-00-8	141-43-5	205-483-3	2-AMINOETHANOL	C	20/21/22 34	2.5 <= x % < 10


Other substances with occupational exposure limits:

No known substance in this category present.



3 - IDENTIFICATION OF HAZARDS

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site

Possibility of irritation to the eyes and skin.

Other data:

Environment effect : dangerous because it is an alkalin preparation.

May react with acid product and light metal.

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.


In the event of exposure by inhalation:

In the event of inhalation, move the patient into the fresh air and keep him/her warm and still.

If necessary, consult a doctor.


In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.


In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.


In the event of swallowing:

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep still. DO NOT induce vomiting.

5 - FIRE-FIGHTING MEASURES

In case of fire, cool endangered containers with water spray.

Not combustible.



Suitable extinguishing media:

All extinguishing agent are available.



Special protective equipment for fire-fighters:

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

6 - ACCIDENTAL RELEASE MEASURES



Personal precautions:

Avoid any contact with the skin and eyes.

Consult the safety measures listed under headings 7 and 8.



Environmental precautions:

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatom earth in drums for waste disposal.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).



Methods for cleaning up:

Wash with water.

Transfer the waste in a container to disposal according to the regulation.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Handling:

Handle and use in well-ventilated areas.

In case of dilution, always pour product into the water.

Avoid contact with skin and eyes.

Avoid breathe alkaline fog and aerosol.

Wash after handling.

Fire prevention:

Prevent access by unauthorised personnel.



Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Avoid contact of product with the skin and eyes



Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure



Storage:

Keep only in the original container in a cool, well ventilated place, away from (incompatible materials).

Keep away from acids (incompatible materials).

Do not stock in metal packaging.

Keep away from frost.

Recommend packaging : plastic (PP, PE, ...).



8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.



Technical measures:

See a adequate ventilation, if possible by vacuuming at working posts and by general extraction.

The personnel must wear clean work clothes.



Exposure limit values per INRS ND 2098-174-99 and ND 2114-176-99:

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
107-41-5	-	-	25	125	-	84
141-43-5	3	8	-	-	-	49

111-76-2	25	120	-	-	*	84
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Exposure limit values per 2000/39/EC and 98/24/EC:

EC	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:
111-76-2	20	98	50	246	Peau

Exposure limit values (2003):

UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-41-5	25 ppm	25 ppm	-	-	-
141-43-5	3 ppm	6 ppm	-	-	-
111-76-2	25 ppm	50 ppm	-	-	-
Germany/MAK	TWA:	STEL:	Ceiling:	Definition:	Criterion:
107-41-5	10 ppm	20 ppm	-	-	-
141-43-5	2 ppm	4 ppm	-	-	-
111-76-2	20 ppm	80 ppm	-	-	-

Respiratory protection:

In case of fog : wear suitable mask.

Hand protection:

Due to the solvents present, it is recommended that neoprene rubber or nitrile rubber gloves be worn

Eye and face protection:

Avoid contact with eyes.

Wear safety goggles.

Provide eye washes in workshops where the product is constantly handled

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

Wear a protection clothes.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Density:	= 1
Acid/base character of preparation:	strongly basic.
Solubility of preparation in water:	Soluble.
Vapour tension at 50°C of volatile constituents:	not specified.
Physical state:	fluid liquid
Flash point interval:	not relevant.
When a pH measure is possible, it has a value of:	11.50 .
Self-ignition temperature:	not relevant.
Decomposition temperature:	not relevant.
Melting temperature interval:	not relevant.
Average distillation temperature of solvents contained:	not relevant.

Other data:

Liquid lightly turbid

Color : incolor to lightly yellow

Specific gravity (20°C) : ab. 1,03

10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

Conditions to avoid:

No decomposition if used according to specifications.

Materials to avoid:

Keep away from acid compound.

Hazardous decomposition products:

Formation of carbon monoxide and dioxide, smokes.

Phosphorous and sodium oxides released.

Formation : NOx, NH3.

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Splashes in the eyes may cause irritation and reversible damage

It is generally agreed that substances contained are likely to cause the appearance of major lesions which persist for at least twenty-four hours after application to the eye of an animal

and are likely to cause significant irritation which lasts for at least twenty four hours after application to the healthy, unbroken skin of an animal for a period of up to 4 hours.

2-butoxyethanol and its acetate are absorbed directly through the skin and have harmful effects on the blood.



In the event of exposure by inhalation:

The product may be irritating for respiratory system.



In the event of swallowing:

Weakly toxic, DL50 > 2000 mg/kg



In the event of splashes or contact with skin:

The product may cause irritating in case of long contact.



In the event of splashes or contact with eyes:

Ocular contact may cause irritating



12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

Mobility:

Product soluble in water.



Persistence and degradability:

The surfactants in the product are biodegradable up to 90 % (art. 87-1055, the 24-12-1987).



Bioaccumulative potential:

No available datas.



Ecotoxicity:

High concentration of product in water giving a pH near 10.5, may cause damage for fishes and others aquatic organisms

Product contains phosphate : nutritif compound for sewage.



13 - DISPOSAL CONSIDERATIONS



Waste:

Recycle or dispose of waste in compliance with current legislations, preferably via a certified collector or company.

Must have a physical-chemical treatment before the reject.



Soiled packaging:

Empty recipient completely. Keep label(s) on recipient.

Give to a certified disposal contractor.

Wash the packaging with water

14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport



15 - STATUTORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2004/73/EC with the 29^e adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This product is not classed as flammable.



Preparation classification:



Irritant.



Particular hazards associated with the preparation and safety recommendations:

R 36/38	Irritating to eyes and skin.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37	Wear suitable gloves.
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Particular provisions:**16 - OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Toxicological datas INRS n°146 : 2-aminoethanol

Product only used for Industry.

**Full text of risk phrases appearing in section 2:**

R 20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R 34	Causes burns.
R 36/38	Irritating to eyes and skin.
R 41	Risk of serious damage to eyes.