

Safety Data Sheet (SDS) for **LINE MARKING PAINT** (Product Code: 14153-+)
 Prepared on: 01/06/2006
 Revision: 12/07/2006
 Supplier: PROMARKER

LINE MARKING PAINT

SAFETY DATA SHEET

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

Identification of the substance or preparation:

Name: PROMARKER
 Product code: 14153-+
 N/A

Company/undertaking identification:

Registered company name: SOPPEC.
 Address: ZI.16440.NERSAC.FRANCE.
 Telephone: 0545909312. Fax:0545905867. Telex:

Emergency telephone: 0145425959.

Association/Organisation: INRS, Service du Contrôle des produits.

Use of the substance/preparation:

marking paint in aerosol dispensers for professional use
 Work site marker

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:	%
S001	84742-48-8	265-150-3	NAPHTA PETROLIER LOURD HYDROTRAITE	Xn	10 65 66 67	10 <= x % < 25

Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
606-002-00-3	78-93-3	201-159-0	BUTANONE	Xi F	11 36 66 67	2.8 <= x % < 10
607-195-00-7	108-85-6	203-803-9	2-METHOXY-1-METHYLETHYL ACETATE	Xi	10 36	2.5 <= x % < 10

Other substances with occupational exposure limits:

INDEX	CAS	EC	Name	Symb.	R:	%
601-003-00-5	74-98-6	200-827-9	PROPANE	F+	12	10 <= x % < 25
601-004-00-0	106-97-8	203-448-7	BUTANE AND ISOBUTANE	F+	12	10 <= x % < 25

Other components:

INDEX	CAS	EC	Name	Symb.	R:	%
649-356-00-4	64742-95-6	265-199-0	SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.	Xn	65	0 <= x % < 2.5

3. IDENTIFICATION OF HAZARDS

This product is classed: Extremely flammable.

Vapours may cause drowsiness and dizziness.

Preparation classification:



Extremely flammable.

R 12	Extremely flammable.
R 67	Vapours may cause drowsiness and dizziness.

Other data:



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PRESSURISED CONTAINER**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:**
 - If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.
 - 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.
 - DO NOT use solvents or thinners.
 - 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.
 - If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.
- N/A

FIRE FIGHTING MEASURES

- Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.
- Suitable extinguishing media:**
 - Carbon dioxide, chemical powders, foams, and other extinguishing gases.
 - In the event of fire, use specifically suitable extinguishing agents. Never use water.
- Extinguishing media which must not be used for safety reasons:**
 - Keep packages near the fire cool, to prevent pressurised containers from bursting.
 - Prevent the effluent of fire-fighting measures from entering drains or waterways.
 - Do not use compressed air during filling, emptying or handling.
- Special protective equipment for fire-fighters:**
 - Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

ACCIDENTAL RELEASE MEASURES

- Personal precautions:**
 - On account of the organic solvents contained in the preparation, eliminate sources of ignition and ventilate the premises.
 - Avoid inhaling the vapors.
 - 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.
 - Prevent any material from entering drains or waterways.
 - Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).
 - If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures.
- Methods for cleaning up:**
 - Clean preferably with a detergent, do not use solvents.

HANDLING AND STORAGE

- The regulations relating to storage premises apply to workshops where the product is handled.
- Handling:**
 - Handle in well-ventilated areas.
 - The vapors are denser than air. They can spread along the ground and form explosive mixtures with air.
 - Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.
 - Do not spray on a naked flame or any incandescent material.
- Fire prevention:**
 - Use the product in premises where there are no naked flames or other sources of ignition and have protected electrical equipment.
 - Keep packages tightly closed and away from sources of heat, sparks and naked flames.
 - Do not use tools which may produce sparks. Do not smoke.

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Prevent access by unauthorised personnel.

Recommended equipment and procedures:

- For personal safety, see §6.
- Observe precautions stated on label and also industrial safety regulations
- Packages which have been opened must be reclosed carefully and stored in an upright position
- Avoid inhaling vapors.

Prohibited equipment and procedures:

- Smoking, eating and drinking are prohibited in premises where the preparation is used
- Never open the packages under pressure
- Do not pierce or burn, even after use.

Storage:

- Keep the container tightly closed in a dry, well-ventilated place
- Keep away from all sources of ignition - do not smoke.
- Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.
- Keep out of reach of children
- The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.
- Keep the container in a well ventilated place

EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Technical measures:

- Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.
- If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

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

N/A

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
108-65-6	-	-	-	-	-	-
78-93-3	200	600	-	-	-	84
106-97-8	800	1800	-	-	-	-
74-98-6	-	-	-	-	-	-

Exposure limit values per 2000/39/EC and 88/24/EC:

EC	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:
108-65-6	50	275	100	550	Peau
78-93-3	200	600	300	900	-

Exposure limit values (2003):

UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
108-65-6	50 ppm	100 ppm	-	-	-
78-93-3	200 ppm	300 ppm	-	-	-
106-97-8	600 ppm	750 ppm	-	-	-
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:
78-93-3	200 ppm	300 ppm	-	-	-
106-97-8	800 ppm	-	-	-	-
74-98-6	2500 ppm	-	-	-	-
Germany/MAK	TWA:	STEL:	Ceiling:	Definition:	Criterion:
108-65-6	50 ppm	50 ppm	-	-	-
78-93-3	200 ppm	200 ppm	-	-	-
106-97-8	1000 ppm	4000 ppm	-	-	-
74-98-6	1000 ppm	2000 ppm	-	-	-

Respiratory protection:

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

Hand protection:

- Protective creams may be used for exposed skin, but they should not be applied after contact with the product.
- Due to the solvents present, it is recommended that neoprene rubber or nitrile rubber gloves be worn

Eye and face protection:

Use eye protectors designed to protect against liquid splashes

Skin protection:

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

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PHYSICAL AND CHEMICAL PROPERTIES

Density:	< 1
Acid/base character of preparation:	not relevant.
Solubility of preparation in water:	Insoluble.
Vapour tension at 50°C of volatile constituents:	not specified.
Physical state:	gas
Flash point interval:	Flash point: < 0°C, and distillation temperature ≤ 35°C.
The pH is impossible to measure or its value is not relevant.	
Self-ignition temperature:	not specified.
Decomposition temperature:	not specified.
Melting temperature interval:	not specified.
Average distillation temperature of solvents contained:	not specified.

Other data:
 Colours: see caps
 Form: aerosol spray dispensers using pressurised liquefied gas (isobutane/propane mixture)

STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide
 Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.
 Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as: irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.
 Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular athenia and, in extreme cases, loss of consciousness.
 Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.
 Splashes in the eyes may cause irritation and reversible damage

ECOLOGICAL INFORMATION

No ecological data on the product itself is available.
 The product must not be allowed to run into drains or waterways.
Other adverse effects:
 no labelling related to the environment

DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.
Waste:
 Recycle or dispose of waste in compliance with current legislations, preferably via a certified collector or company.
 Do not contaminate the ground or water with waste, do not dispose of waste into the environment.
Solled packaging:
 Empty recipient completely. Keep label(s) on recipient.
 Give to a certified disposal contractor.
Codes of wastes (Decision 2001/573/EC, Directive 75/442/EEC, Directive 91/689/EEC on hazardous waste) :
 16 05 04 ~ gases in pressure containers (including halons) containing dangerous substances

TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport
 UN1950=AEROSOLS

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.
	2	5F		2.1	-	LQ2	180-625
IMDG	Class	2*Label	Pack gr.	LQ	EMS	Provis.	

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IX. SUPPLEMENTARY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations. In addition, directive 2001/59/EC with the 28th adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

Preparation classification:



Extremely flammable.

Particular hazards associated with the preparation and safety recommendations:

R 12	Extremely flammable.
R 67	Vapours may cause drowsiness and dizziness.
S 16	Keep away from sources of ignition - no smoking.
	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.
	Do not pierce or burn, even after use.
	Do not spray on a naked flame or any incandescent material.
S 23	Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
S 24	Avoid contact with skin.
S 2	Keep out of reach of children.
S 51	Use only in well ventilated areas.
	Keep away from and do not use in the reach of any flame or source of heat, ignition or sparks, and away from any electrical apparatus in use.
	Not to be used for any usage other than those specified.
	Do not use in a confined space.
	Reserved for professional users.

IX. 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.

Full text of risk phrases appearing in section 2:

R 10	Flammable.
R 11	Highly flammable.
R 12	Extremely flammable.
R 36	Irritating to eyes.
R 05	Harmful, may cause lung damage if swallowed.
R 66	Repeated exposure may cause skin dryness or cracking.
R 67	Vapours may cause drowsiness and dizziness.