

INJECTION 1 (COMPONENT A)

Revision nr. 1
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Safety Data Sheet

1. Identification of the preparation and the Company

1.1 Identification of the preparation

Product name INJECTION 1 COMP. A

1.2 Identification of the Company

Name Sinit S.r.l.
Full address Via V.Chiarugi, 76
District and Country 45100 ROVIGO
Italy
tel. ++39 0425 361961
fax ++39 0425 410115
For urgent inquiries refer to sinit@tin.it

2. Composition/Information on ingredients

Name	Concentr.(C)	Classification
Epoxy resins (medium molecular weight <= 700)	67 <= C < 92	Xi R36/38
N°Cas 25068-38-6		Xi R43
N°CE 500-033-5		N R51/53
N°Index 603-074-00-8		

The complete text of -R- phrases is specified in section 16.

3. Danger Identification

3.1 Substance/Preparation Classification

This preparation is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. This preparation requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: Xi-N

Phrases R:
36/38-43-51/53

3.2 Danger Identification

Irritating to eyes and skin.
May cause sensitization by skin contact.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. First-aid measures

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.
SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists seek medical attention. Wash contaminated clothing before using them.
INHALATION: Remove to fresh air. If breathing is irregular seek medical advice.
INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

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CARDURA

Not classified as flammable, but burns

Products of dangerous combustion: carbon monoxide

Not suitable extinguishers: jets of water

6. Accidental release measures

Extinguish the sources of ignition or heat; cover the spillage with inert absorbent material. Collect as far as possible the resulting mass and discard the remainder by spraying water, if not contraindicated.

For information on environmental and health risks, protection of the respiratory airways, ventilation and individual protective measures refer to the other sections of this sheet.

7. Handling and storage

Make sure that equipment is available for cooling the vessels, to prevent the danger of overpressure and overheating in the event of fire in the vicinity. Refer to the other sections of this data sheet for information relating to health and environmental risks.

8. Exposure controls/personal protection.

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures such as: masks suitable for the product, goggles, gloves and overalls. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

9. Physical and chemical properties

Colour	colourless
Odour	solvent-like
Physical State	liquid
Viscosity	N.A.
Vapour density	N.A.
Solubility	insoluble
Evaporation speed	N.A.
Comburent properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	N.A.
Boiling point	N.A.
Flash point	> 61°C
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,100Kg/l

10. Stability and reactivity

The product is stable in normal conditions of use and storage. Due to thermal decomposition or in the event of a fire vapours may be produced potentially dangerous to health.

11. Toxicological information

Acute effects: contact with eyes may provoke irritation. Symptoms may include rubescence, edema, pain and lachrymation. Contact with skin may cause irritation, erythema, edema, dryness and chapped skin. Vapour inhalation may slightly irritate the upper respiratory tract. Ingestion may cause health disorders, including stomach pain and sting, nausea and sickness.

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include erythemas, edemas, papules, vesicles, pustules, scurves, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Scurfy skin, dryness, ulcerations and skin thickening prevail during the acute phase.

CARDURA

Acute oral toxicity: low toxicity, LD50>2000 mg/Kg

Acute inhalation toxicity: low toxicity, LC50>5mg/L

Acute skin toxicity: low toxicity, LD50>2000 mg/Kg

Irritation to skin: not irritating

Irritation to eyes: slightly irritating, but not such to request the CE classification

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Sensitisation to skin: sensitising to skin
Chronic toxicity: Repeated exposure does not cause significant toxic effects.
Mutagenesis: In vitro test positive result, but in life test negative

12. Ecological information

The product is to be considered environmentally dangerous and presents toxicity to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EPOXY RESINS

Avoid penetration into underground.

Do not downflow in sewerages.

Do not contaminate water in surface

CARDURA

Toxic to water organisms. May provoke long-term adverse effects in water environment.

Mobility: floats on water

Is being absorbed from earth and is not mobile

Persistence/degradability: not slightly biodegradable

Intrinsically biodegradable

Oxidises quickly in air by photochemical reaction.

Bioaccumulation: has potential of bioaccumulation

Acute toxicity - fish: toxic, $1 < LC/EC/IC 50 \leq 10 \text{ mg/L}$

Acute toxicity - invertebrate: toxic, $1 < LC/EC/IC 50 \leq 10 \text{ mg/L}$

Acute toxicity - algae: toxic, $1 < LC/EC/IC 50 \leq 10 \text{ mg/L}$

Sewage treatment: it is presumed that practically it may not be toxic, $LC/EC/IC 50 > 100 \text{ mg/L}$

13. Disposal considerations

Consider the possibility of burning the product in a suitable incinerator: see at this regard art. 6 of CE 94/67 regulation. Acid or basic products must always be neutralized before undergoing any treatment, including biological treatment whenever feasible. If the waste is solid, it can be disposed of in a landfill in compliance with laws and regulations.

This standard is valid also for empty containers, after an accurate rinsing. Do never downflow into sewerage or surface and underground watercourses.

14. Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations. These goods must be packed in their original packings or in packings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR: 9,III UN:3082
Label: 9
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Carriage by sea (shipping):

IMO class: 9 UN:3082
Packing Group: III
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s.

Transport by air:

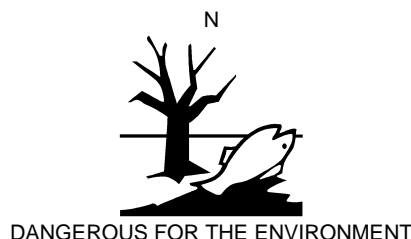
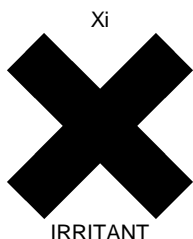
IATA: 9 UN:3082
Packing Group: III
Label: 9
Cargo:
Packaging instructions: 914 Maximum quantity: No lim
Pass.:
Packaging instructions: 914 Maximum quantity: No lim
Special Instructions: A97

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15. Regulatory information



R36/38	IRRITATING TO EYES AND SKIN.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R51/53	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.
S 2	KEEP OUT OF THE REACH OF CHILDREN.
S23	DO NOT BREATHE GAS/FUMES/VAPOUR/SPRAY (APPROPRIATE WORDING TO BE SPECIFIED BY THE MANUFACTURER).
S24	AVOID CONTACT WITH SKIN.
S29	DO NOT EMPTY INTO DRAINS.
S51	USE ONLY IN WELL-VENTILATED AREAS.
S61	AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEETS.

Contains:

Epoxy resins (medium molecular weight ≤ 700)

Danger labelling under regulations 67/548/CEE and 1999/45/CE and following amendments and adjustments.

Workers exposed to this chemical agent must undergo health checks according to regulation 98/24/CE.

16. Further information

Text of -R- phrases quoted in section 2 of the sheet.

R36/38	IRRITATING TO EYES AND SKIN.
R43	MAY CAUSE SENSITIZATION BY SKIN CONTACT.
R51/53	TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (technical adjustment XXVIII);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax-Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product . This document must not be regarded as a guarantee on any specific product property.

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The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.