BRILLANTANTE RA 29

SAFETY DATA SHEET

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

1.1. Identification of the substance

Code:
Denomination **BRILLANTANTE RA 29, professional use**
Chemical name and synonyms

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

Use of the substance/preparation : rinse aid agent for oven cleaning.
Registration number: N.A. as mixture.

1.3. Information about manufacturer of Safety data sheet

Company name	Inoxtrend S.r.l.
Address	Via Serenissima n. 1
City and Country	31025 S. Lucia di Piave (TV) - ITALY
Telephone/Telefax	0039 0438 456990 / 0039 0438 451710
e-mail	info@inoxtrend.com

1.4. Emergency telephone number

For urgent safety information call Centro Antiveleni Ospedale Niguarda di Milano 0039 02 66101029

(*) revised section.
N.D. = Not available
N.A. = Not applicable
[ ] = Literature

2. HAZARD IDENTIFICATION.*

2.1. Classification of the preparation or mixture.

The mixture is classified as dangerous according to Directive 67/548/EEC and Regulation 1999/45/EC and/or Regulation 1272/2008 (CLP) (and following amendments or revision).
For this reason the products requires a safety data sheet conform to directive of regulations (CE) 1907/2006 and modifications.
Further information on human health and/or environmental risk is detailed in section 11 and 12 of this document.

Classification and symbol:
Danger Symbol: Xi
R-phrase: 41

Full test of R-phrase and Hazard is detailed in section 16 of this document

2.2. Data on Label.

Danger labeling according to Directive 67/548/EEC and Directive 1999/45/EC (and following revision and amendments)

Symbol:

Xi



IRRITANT

Danger:

R41 Risk of serious damage to eyes.

S phrase:

S25 Avoid contact with eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

2.3. Other hazards.

Informations not available.

3. COMPOSITION / INFORMATION ON INGREDIENTS.*

3.1. Substances

Not applicable.

3.2. Mixture.

Contains

Identification	Conc. %.	Classification according to 67/548/CEE.	Classification according to 1272/2008 (CLP).
Citric Acid *CAS. 77-92-9* *CE.- 201-069-1* *INDEX. –* *N° Registrazione 01-2119457026-42*	45 -53 %	Xi R41	Eye Dam. 1 H318, Skin Irrit. 2 H315

T+ = Very toxic(T+), T = Toxic (T), Xn = Harmful(Xn), C = Corrosive (C), Xi = Irritant(Xi), O = Oxidising (o), E = Explosive(E), F+ = Extremely Flammable (F+), F = Easily Flammable (F)

Full test of R-phrase and H phrase is detailed in section 16 of this document

COMPONENTS CONFORM TO REGULATION CE N.648/2004
Contains: polycarboxylated < 30%, Nonionic surfactants 5-15%.

4. FIRST AID MEASURES.*

Take off immediately all contaminated clothing. If unconsciousness may be possible move away to fresh air, give oxygen or artificial respiration if needed Personal protective equipment for first aid responders is recommended.

4.1. First aid instructions.

EYES : Wash immediately, thoroughly with plenty of water for at least 15 minutes holding the eyelids apart. After protect eyes with sterile and dry gauze or cotton Remove contact lenses if possible. Consult an ophthalmologist.

SKIN: Wash off immediately with plenty of water. Take off immediately all contaminated clothing. If irritation persists, seek medical advice. Wash contaminated clothing before using.

INHALATION: Take the affected person away from contaminated area to fresh air. High concentration may cause asphyxia. Symptoms may include immobility or unconsciousness. Move to fresh air and keep warm and rest. First aid responders have to wear self-contained breathing apparatus. Artificial respiration only if breath is ceased. Seek immediately medical advice.

INGESTION: rinse immediately the mouth. Seek immediately medical advice. Induce vomiting only on medical supervision. Do not give anything to the person if unconscious and without medical authorization

4.2. Most important symptoms and effects, both acute and delayed

For related symptom due to contained substance please refer to section 11.

4.3. Indication of any immediate medical attention and special treatment needed

If incident occur, seek medical advice immediately and following instructions. If possible show Safety information.

5. FIREFIGHTING MEASURES.*

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA: Are the traditional ones: CO2, alcohol resistant foam, powder and water sprayed
UNSUITABLE EXTINGUISHING MEDIA: none particular.

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of gas spread from explosion or fires. In case of fire can be released carbon oxides, pyrolysis toxic products, etc.

5.3. Advice for fire-fighter.

GENERAL INFORMATION

If possible stop the spilling. Move away from the container, delimiting area and flush water from protected site. Do not extinguish fire due to probable explosive reigniting. Extinguish secondary fire. Cool other container, or product from a well-protected position to avoid heating and overheating.
If a leak or spill has not ignited, ventilate area and use water spray to disperse gas or vapour and to protect personnel attempting to stop a leak

PROTECTIVE EQUIPMENT
Helmet with visor, fireproof clothing (jacket and trousers with straps around the arms, legs and waist), intervention gloves (fire fighting, cut-proof and dielectric), and overpressure mask with a face shield covering the entire face of the operator or use the self-respirator (self-protector) in the case of large amounts of smoke

6. ACCIDENTAL RELEASE MEASURES.*

6.1. Personal precautions, protective equipment and emergency procedures
Avoid dust formation using water spray. In case of dust formation wear appropriate breathing apparatus. For further information about risk on human health, environment and protective equipment, refer to other section of this document.

6.2. Environmental precautions.
Avoid release into sewerage, surface water, and groundwater.

6.3. Methods and material for containment and cleaning up.
Contain and collect the product and place in a container for disposal. Clean spill area thoroughly with water. Well ventilated the area. Disposal of contaminated materials according to section 13.

6.4. Reference to other sections.
Information regarding personal protective equipment and its disposal (if needed) is given in sections 8 and 13.

7. HANDLING AND STORAGE.*

7.1. Precautions for safe handling.
Prevent the dispersion of powder and work in ventilated areas. Avoid contact with skin and eyes. Do not swallow and breathe the product.

7.2. Conditions for safe storage, including any incompatibilities.
Store in a cool, well-ventilated area. Stock the product well closed and labelled. Store far from incompatible substances.

7.3. Specific end us.
Rinse aid agent for oven cleaning.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION.*

Data not available.

8.1. Exposure controls

As the use of appropriate technical measures should always take priority over persona! protective equipment, ensure good ventilation in the workplace through effective local exhaust ventilation or by removing stable air.
If you exceed the threshold value or one or more of the substances in the preparation due to daily exposure in the work environment or a fraction determined by the corporate prevention and security service, wear an appropriate breathing mask. Refer to the product label for further details. Request further information to chemicals supplier about proper protective equipment. Protective equipment must fullfil Legislation requirement.



HANDS PROTECTION
Protect your hands with work gloves, category I (Directive 89/686/EEC and EN 374) such as PVC, PVA, neoprene, nitrile, PTFE viton latex, or equivalent. For the definitive selection of the material used for the work gloves, the following factors should be considered: degradation, breakage time and permeation. In the case of preparations, glove resistance should be tested before use because it is not foreseeable. The gloves have a durability that depends on the duration of exposure



EYES PROTECTION
Wear goggles that adhere to the skin (see standard EN 166) or full mask EN 402.
SKIN PROTECTION
Wear work clothes with long sleeves and safety footwear for professional use in category I (refer to Directive 89/686/EEC and standard EN 344). After removing protective clothing, wash affected skin with soap and water.

RESPIRATORY PROTECTION
If you exceed the threshold value of one or more of the substances in the preparation due to daily exposure in the work environment or a fraction determined by the corporate prevention and security service, wear a mask half face type FFP3 (refer to Standard EN 141).
The use of respiratory protective equipment such as masks fitted with an organic vapours filter and dust/mist, is necessary in the absence of technical measures to limit worker exposure. Nonetheless, the masks provide limited protection.
In the case where the substance in question is odourless or its olfactory threshold is higher than the relative exposure limit and in case of emergency, or when exposure levels are unknown or the concentration of oxygen in the workplace is less than 17% in volume, where an open circuit compressed-air self-respirator (Standard EN 137) or an external air- uptake respirator to be used with full face mask, half face mask or mouthpiece (ref. Standard EN 138).

9. PHYSICAL AND CHEMICAL PROPERTIES.*

9.1. Information on basic physical and chemical properties.

Appareance	Tabs
Ing point	White
Odour	Odourless
pH sol. 5%	1,8-1,9
Melting point/freezing point	NA (not available)
Melting point	NA (not available)
Evaporation rate	NA (not available)
Flammability (solid, gas);	not flammable
Self flammability	NA (not available)
explosive limits	Not explosive
Decomposition temperature	NA (not available)
Relative density at 20°C	1,7/1,8 g/mL
Solubility in water	Soluble
Lipooilubility	NA (not available)
Partition coefficient: n-octanol/water	NA (not available)
Vapour pressure	NA (not available)
Vapours density	NA (not available)
Oxydizing property	Not oxidizer

9.2. Other information.
Information not available.

10. STABILITY AND REACTIVITY.*

10.1. Reactivity.
No particular danger reactions with other substances in normal condition of use.

10.2. Chemical stability
Product is stable in normal condition and storage.

10.3. Possibility of hazardous reactions.
No particular danger reactions with other substances in normal condition of use.

10.4. Conditions to avoid.
The product is hygroscopic, may absorb humidity. Keep the usual cautions for chemical products. Avoid heating and overheating, avoid flames and sources of ignition. Avoid the formation of dust. Avoid contact with incompatible substances.

10.5. Incompatible materials.
Compounds of nitrous metals, zinc, bases.

10.6. Hazardous decomposition products.
In case of fire or decomposition may spread gas and vapors potentially harmful for health.

11. TOXICOLOGICAL INFORMATION.*

11.1. Information on toxicological effects.

The product causes severe damage to eyes and may cause corneal opacity, iris damage, irreversible pigment lost.
Inhalation of big quantities may cause irritation to respiratory system.
Swallowing of big quantities may cause gastro-intestinal problems.
Contact with skin may cause irritation.
A prolonged and repeated exposure may cause allergenic reactions on sensible subjects.

Mutagenicity: no data available
Carcinogenicity: no compounds known or expected from IARC
Reproductive toxicity: no data available.

Citric acid
LD50 (oral): 3.000 mg/kg rat

12. ECOLOGICAL INFORMATION.*

Use according good working practice; avoid spreading the product into environment
Advise immediately authorities in case of lose or spilling.

12.1. Toxicity.

CITRIC ACID
Toxicity fishes: CL50 (48 h) 440 mg/L, *Leuciscus idus melanotus*

12.2 Persistence and degradability

No data available for mixture.

12.3. Bio accumulative potential.

No data available for mixture.

12.4. Mobility in soil.

No data available for mixture.

12.5. Results of PBT and vPvB assessment.

No data available for mixture.

12.6. Other adverse effects.

No data available.

13. DISPOSAL CONSIDERATIONS.*

13.1. Waste treatment methods

Recycle, if possible. Act in accordance with local and national regulations. Refer to current national legislation. Da not release into sewerage, do not pollute watercourses, Residues has to be considered ad dangerous waste
CONTAMINATED PACKAGING
Indications: empty containers shall not be released to the environment.
Remarks: user has to ensure that no other regional! or national rules are in force

14. TRANSPORT INFORMATION

Product not classified dangerous for transport

Road and Railway Transport:
Shipping transport:
Air transport:

15. REGULATORY INFORMATION.*

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.

This document has been written following scheme and rules of below Directive and Regulation It is underlined that this mixture is for food application, hence it is out of the scope of the below Legislation.

1. Directive1999/45/EC and following amendments;
2. Directive 67/548/EEC e and following amendments;
3. Regulation (EC) 1907/2006 of European Parliament (REACH)
4. Regulation (EC) 1272/2008 of European Parliament (CLP)
5. Regulation (EC) 790/2009 of European Parliament (I Atp. CLP)
6. Regulation (EC) 453/2010 of European Parliament

When applicable, refer to following directive:
D.Lgs. 21 September 2005 n. 238 (Directive Seveso Ter)

Seveso class. None

Restriction related to the mixture or contained substance, according to Annex XVII, Regulation EC 1907/2006.
None

Substance in Candidate List (Art. 59 REACh).
None

Substance edified for Authorization (Annex XIV REACh)
None

Sanitary controls.
Workers exposed to this chemical agent must be monitored far health issues according to Legislation.

15.2. Chemical safety assessment.

Not available

16. OTHER INFORMATION.*

Full Danger and H-phrase indicated in section 2-3 of this document

Eye Dam. 1 severe damage to eyes, category 1
Skin Irrit. 2 May cause eye irritation, category 2
H315 Causes skin irritation.
H318 Causes severe damage to eyes

Full Danger and R-phrase indicated in section 2-3 of this document

R41 Risk of serious damage to eyes.

LITERATURE:

1. The Merck Index. Ed. 10
2. Handling Chemical Safety
3. Niosh - Registry of Toxic Effects of Chemical Substances
4. INRS - Fiche Toxicologique
5. Patty - Industrial Hygiene and Toxicology
6. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989

Note for the user:
The information on this sheet is based on information that was available at our premises as of the date of the last version.
The user must make sure such information is complete in relation to the specific use being made of the product.
Said document must not be interpreted as a guarantee of any specific property of the product.
Since the use of the product is not under our direct control, it is the responsibility of the user to observe the law and other provisions in force on matters of health and safety. We shall not be held liable for any improper uses.