SPINTA FORM RELEASE

Product Code: SP-IN-RELEASE

Release agent for concrete construction

CLP: DANGER - ASP. TOX. 1 H304

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier: Mixture. Trade name: SPINTA FORM RELEASE. Product code: SP-IN-RELEASE.
1.2 Relevant identified use: Release agent for concrete construction.
1.3 Supplier: SPINTA ITALIA S.r.l., Viale C. Battisti 15, 27100 Pavia (PV), Italy. Tel. +39 331 801 9355. SDS contact: info@spinta-lub.it.
1.4 Emergency telephone: CAV Centro Nazionale di Informazione Tossicologica - Pavia, Tel. +39 0382 24444; CAV Azienda Ospedaliera A. Cardarelli - Napoli, Tel. +39 081 5453333.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification: Direct and prolonged contact can cause eye and skin irritation. Hazards refer to the finished product and are reduced if used in water emulsion. CLP: Danger, Asp. Tox. 1 - May be fatal if swallowed and enters airways. No other adverse physicochemical, human health or environmental effects.
2.2 Label elements: Signal word: Danger. Hazard pictogram: GHS08. H304 May be fatal if swallowed and enters airways. P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor. P331 Do NOT induce vomiting. P405 Store locked up. P501 Dispose of contents/container in accordance with applicable regulations. Special Provisions: None. REACH Annex XVII special



provisions: None.

2.3 Other hazards: No PBT, vPvB or endocrine-disrupting substances at concentration >=0.1%. No other hazards.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: N.A.
3.2 Mixture: Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Substance	Identification	Classification
>= 60% - < 70%	Idrocarburi, C13-C16, isoalcani, ciclici, < 2% aromatici	EC 934-954-2	3.10/1 Asp. Tox. 1 H304
>= 1% - < 2.5%	2-methylpentane-2,4-diol	Index 603-053-00-3, CAS 107-41-5, EC 203-489-0	3.3/2 Eye Irrit. 2 H319, 3.2/2 Skin Irrit. 2 H315

SECTION 4: FIRST AID MEASURES

4.1 Skin: High-pressure injection injuries require immediate hospital treatment. Remove contaminated clothes.
Eyes: Wash immediately with plenty of water for several minutes with eyelids open. Seek medical advice; call a doctor immediately if pain and redness persist.
Ingestion: Do NOT induce vomiting under any circumstances. Obtain medical examination immediately.
Inhalation: After high vapour/mist exposure, remove to fresh/well-ventilated air, keep warm and at rest; seek medical attention if necessary.
4.2 Symptoms/effects: None reported.
4.3 Immediate treatment: In case of accident or unwellness, seek medical advice immediately (show directions for use or SDS if possible). After high vapour/mist exposure, move to fresh/well-ventilated air and obtain medical attention if necessary.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media: Suitable media: class B extinguishing media, carbon dioxide, dry chemical powder, foam, sand, earth, water and CO2. Avoid water jets; use water only to cool the surface of containers exposed to fire. No other unsuitable media are specified.
5.2 Special hazards: Avoid breathing combustion smoke/gases. Fire may form chlorine-, sulfur- and nitrogen-containing compounds, unburnt hydrocarbons and other potentially dangerous compounds. Burning produces heavy smoke.
5.3 Firefighters: Cool heat-exposed containers; use suitable breathing apparatus and full protective suit. Collect contaminated extinguishing water separately; do not discharge to drains. Move undamaged containers from hazard area if safe.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Avoid skin/eye contact; use PPE. For relevant spills, especially confined areas, avoid vapours, ventilate or use respiratory protection. Remove persons to safety. See Sections 7 and 8.
6.2 Environmental precautions: Prevent dispersion to soil, sewers and surface water. Retain contaminated wash water. Inform competent authorities if waterways, soil or drains are affected. Suitable uptake material: organic absorbent, sand.
6.3 Containment/clean-up: Spilled aerosol may ignite under suitable conditions. Contain large spills; absorb small spills with earth, sand or inert absorbent; transfer to suitable impermeable containers; dispose according to regulations; wash with plenty of water.
6.4 Reference: See Sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Safe handling: Avoid direct contact and inhalation of aerosol/vapour; ensure adequate ventilation. Do not smoke/use open flames; avoid sparks/ignition sources. Avoid skin/eye contact. Do not use empty containers before cleaning; before transfer ensure no incompatible residues remain. See Section 8. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working.
7.2 Storage: Keep in original closed containers with leakage control/containment, in a cool, adequately ventilated place away from heat, ignition sources and sunlight. Avoid electrostatic charge. Keep away from food, drink and feed. Incompatible materials: none in particular.
7.3 Specific end uses: None in particular.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters: Avoid mist/aerosol formation using machine protection/local ventilation. 2-methylpentane-2,4-diol (CAS 107-41-5): ACGIH STEL 10 mg/m3 (I,H), Eye and URT irr; TLV-TWA 25 ppm. DNEL: Worker Professional 98 mg/m3 / Consumer 49 mg/m3, inhalation short-term; Worker 49 / Consumer 25 mg/m3, inhalation long-term; Worker 2 mg/kg / Consumer 1 mg/kg bw/day, long-term. PNEC: Fresh water 0.429 mg/L; marine 0.0429 mg/L; freshwater sediments 1.79 mg/kg, marine sediments 0.179 mg/kg.
8.2 Eye protection: Wear safety glasses whenever contact with the product is possible (UNI-EN 166). Not needed for normal use; operate according to good working practices.
Skin/body: Use full suit/apron and clothing providing comprehensive skin protection, e.g. cotton, rubber, PVC or Viton; change contaminated clothing and wash before reuse (UNI-EN 465/466/467).
Hands: Use protective gloves providing comprehensive protection, e.g. PVC, neoprene or rubber; replace worn oil/solvent-resistant gloves (UNI-EN 374).
Respiratory: If operational conditions and other controls are insufficient to respect exposure limits, use respiratory protection with filter for organic vapours and dusts/mists (e.g. activated-carbon mask). Not needed for normal use.
Thermal hazards / environmental exposure / engineering controls: None reported.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value / method
Physical state	Liquid
Colour	N.A.
Odour	Characteristic
Melting/freezing point	Not defined / not available
Boiling point/range	Not defined / not available
Flammability	N.A.
Explosion limits	Not defined / not available
Flash point	105°C; ASTM D92
Auto-ignition temperature	Not defined / not available
Decomposition temperature	Not defined / not available
pH	Not defined / not available
Kinematic viscosity (9.1)	N.A.
Solubility in water / oil	Insoluble / soluble
log Kow	Not defined / not available
Vapour pressure	Not defined / not available
Density	0.820 kg/dm3; ASTM D4052
Relative vapour density	Not defined / not available
Particle size	N.A.
9.2 Viscosity	2.0 cSt @40°C; ASTM D445

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Avoid strong acids, bases and strong oxidizers. Stable under normal conditions.
10.2 Chemical stability: Stable at room temperature / under normal conditions.
10.3 Hazardous reactions: None.
10.4 Conditions to avoid: Stable under normal conditions.
10.5 Incompatible materials: None in particular.
10.6 Hazardous decomposition products: None.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 CLP hazard classes: Acute toxicity, skin corrosion/irritation, serious eye damage/irritation, respiratory/skin sensitisation, germ-cell mutagenicity, carcinogenicity, reproductive toxicity, STOT-single and repeated exposure: NOT CLASSIFIED. Aspiration hazard: product classified Asp. Tox. 1 H304. Idrocarburi C13-C16: LD50 oral rat >5000 mg/kg; LD50 dermal rabbit >3160 mg/kg; LC50 inhalation rat >5266 mg/m3. 2-methylpentane-2,4-diol: LD50 oral rat >2000 mg/kg; LD50 dermal rat >2000 mg/kg; LC50 inhalation rat =66 ppm (8h); NOAEL oral rat =300 mg/kg.
11.2 Other hazards: No endocrine-disrupting substances at concentration >=0.1%.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity: Use good working practices to prevent environmental release. Product not classified for environmental hazards; criteria not met. Idrocarburi C13-C16: EL50 algae >10000 mg/L (ISO 10253); LL50 Daphnia >3193 mg/L (ISO 14669); LL50 fish >1098 mg/L (OECD 203); chronic NOELR Daphnia >1000 mg/L and fish >1000 mg/L (QSAR Petrotox).
12.2 Persistence/degradability: Although the product is not classified as hazardous for the environment, it is believed not to be easily biodegradable. The product sinks in water if density is >1 and floats if density is <1. It is easily dispersible in soil and water, easily absorbed in soil, may evaporate and be dispersed in air, is adsorbed superficially in soil, and evaporates with difficulty.
12.3 Bioaccumulation: N.A.
12.4 Mobility in soil: N.A.
12.5 PBT/vPvB: None.
12.6 Endocrine disruption: No endocrine-disrupting substances >=0.1%.
12.7 Other adverse effects: None.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment: Dispose product and containers through approved companies, considering DPR 691 of 23/08/1982 and Part IV of D.Lgs. 152/03-04-2006 and updates. Do not discharge to sewers, tunnels or watercourses. Recover if possible; send to authorised disposal plants or for incineration under controlled conditions, complying with current local/national regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN/ID number: Not classified as dangerous under transport regulations.
14.2 Proper shipping name: N.A. 14.3 Transport class: N.A. 14.4 Packing group: N.A.
14.5 Environmental hazards: N.A. 14.6 Special precautions: N.A. 14.7 Maritime bulk transport per IMO: N.A.

SECTION 15: REGULATORY INFORMATION

15.1 Regulations: Dir. 98/24/EC; Dir. 2000/39/EC; Reg. (EC) 1907/2006 REACH; Reg. (EC) 1272/2008 CLP; Reg. (EC) 790/2009 (ATP1) and (EU) 758/2013; Reg. (EU) 2020/878; CLP ATPs 2-16: 286/2011, 618/2012, 487/2013, 944/2013, 605/2014, 2015/1221, 2016/918, 2016/1179, 2017/776, 2018/669, 2019/521, 2018/1480, 2020/217, 2020/1182, 2021/643.
REACH Annex XVII: Product restrictions: 3. Substance restrictions: 75.
Other provisions: Directive 2012/18/EU (Seveso III); Reg. (EC) 648/2004 detergents; Dir. 2004/42/EC VOC; D.M. 13 Feb 2003 PPE harmonized laws; D.Lgs. 81/09-04-2008 workplace health/safety; D.M. 14 Jan 2008 occupational disease reporting; D.P.R. 689/26-05-1959 fire-protection-control activities; Directive 98/8/EC biocidal products. Seveso III category: none.
15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: OTHER INFORMATION

Use limitation: Do not use for uses different from those identified; unevaluated risks may result.
Guidance basis: Guidance on preparation of Safety Data Sheets for lubricants, Industrial Group of Lube Companies (GAIL), aispec.federchimica.it.
Full text of phrases referred to in Section 3: H304 May be fatal if swallowed and enters airways. H319 Causes serious eye irritation. H315 Causes skin irritation. Classification procedure: Asp. Tox. 1 H304 - Calculation method.
Regulatory basis: Regulation (EU) 2020/878. Manufacturer's source SDS dated 08/09/2023, version 1, states that it was prepared by a competent person who received appropriate training.
Bibliography: ECDIN - Environmental Chemicals Data and Information Network, Joint Research Centre, Commission of the European Communities; SAX's Dangerous Properties of Industrial Materials, 8th Ed., Van Nostrand Reinhold.
Disclaimer: Information is based on the state of knowledge at the date of issue, refers solely to the product indicated and constitutes no guarantee of particular quality. It is the duty of the user to ensure that this information is appropriate and complete for the specific intended use.
Abbreviations: ADR European Agreement for road transport of dangerous goods; ATE/ATEmix Acute Toxicity Estimate; CAS Chemical Abstracts Service; CLP Classification, Labeling, Packaging; DNEL Derived No Effect Level; EINECS European Inventory; GefStoffVO German Hazardous Substances Ordinance; GHS Globally Harmonized System; IATA/IATA-DGR air transport/Dangerous Goods Regulations; ICAO/ICAO-TI International Civil Aviation Organization/Technical Instructions; IMDG maritime dangerous goods; INCI cosmetic ingredients; KSt explosion coefficient; LC50 lethal concentration 50%; LD50 lethal dose 50%; PNEC Predicted No Effect Concentration; RID rail dangerous goods; STEL short-term exposure limit; STOT specific target organ toxicity; TLV threshold limit value; TWA time-weighted average; WGK German Water Hazard Class.