



Smart Oil 2

Safety Data Sheet

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Smart Oil 2

Multi-Purpose Oil

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

Product identifier

Trade name: **Smart Oil 2**
Trade code: **3225468**

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

Recommended use: Fluid for metal work

Details of the supplier of the safety data sheet

Company: Dropsa S.p.A. – Via B. Croce, 1 – 20090 Vimodrone (MI) - ITALY

Tel. 02/250791 – Fax. 02/25079767

2. COMPOSITION / INFORMATION ON INGREDIENTS

Substances : N.A.

Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:
None

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:
Properties / Symbols: None.
Adverse physicochemical, human health and environmental effects: No other hazards

Label elements

The preparation should not be considered as dangerous accordingly to dir. 1999/45/EC.

The mixture is not classified as dangerous according to EC Regulation 1272/2008 (CLP): Special provisions according to Annex XVII of REACH and subsequent amendments:

Other hazards

vPvB Substances: None - PBT Substances: None
Other Hazards: No other hazards

4. FIRST-AID MEASURES

Skin Contact:

Injuries due to high pressure jets require a prompt surgical intervention and possibly a steroids therapy, to minimize tissue damage and loss of functions.
Every substance, in case of accidents with high pressure pipes or similar, can be accidentally injected under skin tissue, even without external noticeable skin damage. In this case it's necessary to bring the injured as soon as possible to the hospital for required treatment. Remove contaminated clothes.

Eye Contact:

Wash eyes immediately with plenty of water for some minute leaving eyelids open. Immediately call a doctor if pain and redness persists

Inhalation

In case of exposition to high concentration of vapours and mist remove person from the contaminated area and move to a well ventilated place. Call for medical attention if necessary. Remove casualty to fresh air and keep warm and at rest.

Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Use class B fire extinguishing media: carbon dioxide, dry chemical powder, foam, sand, earth. Carbon dioxide (CO₂).

Special Hazards Arising From The Substance Mixture

Fumes of CO_x, SO_x, hydrocarbon
do not inhale explosion and combustion gases
Burning produces heavy smoke

Advice For Firefighters

Note: Cool with water all the containers not involved in fire but exposed to heat



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of fire, to avoid eventual explosion and propagation of fire. Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes, using appropriate protective equipments. In case of spillage of relevant quantities, most of all if in confined environment, avoid to breathe vapors and ventilate the environment, or use protective equipment for respiration. Wear personal protection equipment. Remove persons to safety. See protective measures under point 7 and 8
Environmental precautions	Avoid dispersion of the product and penetration in the soil, in the sewers or in surface water. If necessary inform competent local authorities. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand
Methods and material for containment and cleaning up	Stem in case of spillage of relevant quantities of product. Contains the spill of little quantities of product with earth, sand or other inert absorbing material. Transfer in appropriate impermeable containers, adequate for storage and transport of recovered material. Dispose according to current regulation. Wash with plenty of water.
Reference to other sections	See also section 8 and 13

7. HANDLING AND STORAGE

Precautions for safe handling	Avoid direct contact with the product. Avoid to breathe aerosol or vapors of the product, ensuring an adequate ventilation of workplace, most of all if confined. Avoid contact with skin and eyes, inhalation of vapors and mists. Do not eat or drink while working. See also section 8 for recommended protective equipment.
Conditions for safe storage, including any incompatibilities	Do not pour the product into other containers. Always use the original container. Keep away from food, drink and feed. Incompatible materials: None in particular. Instructions as regards storage premises: Adequately ventilated premises.
Specific end use(s)	Mineral oil lubricant typical slides and machine tools

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters	No specific requirements in normal conditions of use. No occupational exposure limit available. DNEL Exposure Limit Values : N.A. PNEC Exposure Limit Values : N.A.
Eye protection	Wear safety glasses whenever is possible to come in contact with the product. For more information refer to UNI-EN 166 standard.
Protection for skin	Use full suit and apron in suitable material; change immediately contaminated clothes and wash carefully before reuse. It's advisable to maintain good personal and work clothes hygiene. For more information refer to UNI-EN 465/466/467 standard.
Respiratory protection	Wear work gloves (for example in neoprene, nitrile or PVC), preferably with inner cover, resistant to mineral oils or solvents. Gloves must be changed when signs of wear are visible. Wear gloves after an adequate cleaning of the hands. In case of not prolonged contacts, use of barrier creams may be an useful protection equipment. Choice of protective gloves depends also on use conditions and needs to consider the information from the supplier. For more information refer to UNI-EN 374 standard.
Thermal Hazards	None
Environmental exposure controls	None



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour	Amber
Odour	sui generis
Flash point	250 ° C Relative
density	0.887 Kg/l
Solubility in water	insoluble in water
Viscosity at 40°C	100 cst
Explosive properties	Not explosive
Oxidizing properties	Not explosive

10. STABILITY AND REACTIVITY

Reactivity	Avoid contact with strong acids and bases and strong oxidizers. Stable under normal conditions
Chemical stability	Product is stable to room temperature. Stable under normal conditions
Possibility of hazardous reactions	None
Conditions to avoid	Stable under normal conditions.
Incompatible materials	None in particular.
Hazardous decomposition products	None

11. TOXICOLOGICAL INFORMATION

Toxicological information of the mixture:	May cause moderate irritation. General warning: high pressure injection of product in the skin can cause local necrosis if the product is not surgically removed. Frequent and prolonged contacts can degrease and irritate the skin also causing dermatitis. Prolonged exposure to the product may cause drowsiness or dizziness. Prolonged exposure to vapors or mist may cause respiratory irritation. N.A.
Toxicological information of the main substances found in the mixture	N.A
If not differently specified, the information required in Regulation 453/2010/EC listed must be considered as N.A	a) acute toxicity; b) skin corrosion/irritation; c) serious eye damage/irritation; d) respiratory or skin sensitisation; e) germ cell mutagenicity; f) carcinogenicity; g) reproductive toxicity; h) STOT-single exposure; i) STOT-repeated exposure; j) aspiration hazard

12. ECOLOGICALM INFORMATION

Toxicity	Adopt good working practices, so that the product is not released into the environment. N.A
Persistence and degradability	N.A
Bioaccumulative potential	N.A.
Mobility in soil	N.A.
Results of PBT and vPvB assessment	vPvB Substances: None - PBT Substances: None
Other adverse effects	None N.A

13. DISPOSAL CONSIDERATIONS

Waste treatment methods	Dispose product (and emulsions in case of water-soluble lubrorefrigerants products) and containers sending it to approved companies, paying attention to obligations of
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DPR n.691 of 23/08/82 (Mandatory consortium for used oils) and Part IV of the Environmental code (D.Lgs. n.152 of 3/4/2006) and updates Recover if possible. In so doing, comply with the local and national regulations currently in force. Where applicable, refer to the following regulatory provisions : 91/156/EEC, 91/689/EEC/94/62/EC and subsequent amendments

14. TRANSPORT INFORMATION

UN number	None
UN proper shipping name	N.A
Transport hazard class(es)	N.A.
Packing group	N.A
Environmental hazards	N.A
Special precautions for user	N.A
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	NO

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture	Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances) Dir. 99/45/EC (Classification, packaging and labelling of dangerous preparations) Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Dir. 2006/8/EC Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) Regulation (EU) n. 453/2010 (Annex I) Directive 82/501/EEC ('Activities linked to risks of serious accidents') and subsequent amendments. Regulation (EC) nr 648/2004 (detergents). 1999/13/EC (VOC directive) D.M. of 13 February 2003: third list of harmonized laws concerning the implementation of directive 89/686/CEE on personal protective equipment. D. Lgs. N. 81 of 9/4/2008: implementation of article 1 of Law 3 august 2007, n. 123, on health and security safeguard in the workplace. D.M. 14 January 2008: List of diseases for which is mandatory a report according to article 139 of Testo Unico, approved with decree of the President of the Italian Republic 30 June 1965, n. 1124, and subsequent integrations. D.P.R. n. 689 of 26/05/1959: Determination of companies and processes subject to control of the Fire protection command, to enhance fire protection. Directive 98/8/CE of 16 February 1998 on placing of biocidal products on the market.
Where applicable, refer to the following regulatory provisions	
Chemical safety assessment	No

16. OTHER INFORMATION

Don't use this product for uses different from those identified. In this case user may be subject to risk not evaluated. This document was prepared by a competent person who has received appropriate training. The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. This safety data sheet has been drafted taking into account the Guidelines for the Draft of Safety Data Sheets for Lubricants drawn up by the Gruppo Aziendale Industriali della Lubrificazione (GAIL website <http://assocpecifici.federchimica.it/GAIL/Gail.htm>) part of UEIL (Independent Union of the European Lubricants Industry)