

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Name : James Bandit
Product code : 8300.0_99999RV51
Type of product : Detergent
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Professional use, Consumer use
Use of the substance/mixture : The data given here is based on the product properties as mentioned in section 1.1. and is provided on the assumption, that the product will be used in the manner and for the purposes for which the manufacturer indicates.
Use of the substance/mixture : Cleaner
Degreaser.
Function or use category : Cleaning/washing agents and additives

Title	Use descriptors
Professional use	SU22, PC35, PROC8a, PROC10, ERC8a
Consumer use	SU21, PC35, ERC8a

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

James
Rudolf Dieselweg 28 a
NL-5928 RA Venlo - Nederland
T +31 (0) 773278000
info@james.eu

1.4. Emergency telephone number

Emergency number : See Section 1.3; Only during office hours

Country	Organisation/Company	Address	Emergency number
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 2 H225

Full text of H-statements: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

F; R11

Full text of R-phrases: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

James Bandit

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Signal word (CLP)	: Danger
Hazard statements (CLP)	: H225 - Highly flammable liquid and vapour
Precautionary statements (CLP)	: P102 - Keep out of reach of children P210 - Keep away from hot surfaces, open flames, sparks, heat. - No smoking P233 - Keep container tightly closed P370+P378 - In case of fire: Use carbon dioxide (CO ₂), dry extinguishing powder, alcohol resistant foam, Water fog. for extinction P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents/container to Waste treatment, Chemical refuse, Meet the legal requirements

2.3. Other hazards

Other hazards not contributing to the classification	: No supplementary information available. The information in this section applies to the undiluted product.
--	---

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Dimethoxymethane	(CAS No) 109-87-5 (EC no) 203-714-2 (REACH-no) 01-2119664781-31	>= 30	F; R11
1,3-dioxolane	(CAS No) 646-06-0 (EC no) 211-463-5 (EC index no) 605-017-00-2	20 - 30	F; R11

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dimethoxymethane	(CAS No) 109-87-5 (EC no) 203-714-2 (REACH-no) 01-2119664781-31	>= 30	Flam. Liq. 2, H225
1,3-dioxolane	(CAS No) 646-06-0 (EC no) 211-463-5 (EC index no) 605-017-00-2	20 - 30	Flam. Liq. 2, H225

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation	: Soar throat. Cough. Giddiness. Difficulty in breathing.
Symptoms/injuries after skin contact	: Redness, pain.
Symptoms/injuries after eye contact	: Redness, pain.
Symptoms/injuries after ingestion	: Dizziness, headaches, nausea. Abdominal pain. Vomiting. Diarrhea.

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

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

James Bandit

Safety Data Sheet

according to Regulation (EC) No. 453/2010

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
- Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking. Material spilled on hard surface can present a serious slipping/falling hazard.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Do not flush into surface water. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Dispose in a safe manner in accordance with local/national regulations. Provide adequate ventilation to minimize dust and/or vapour concentrations. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dispose of in accordance with relevant local regulations.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Normal precautions for the use of chemicals and cleaners should be taken care of. See information supplied by the manufacturer. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/... equipment.
- Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed. Protect from freezing.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Dimethoxymethane (109-87-5)		
United Kingdom	Local name	Dimethoxymethane
United Kingdom	WEL TWA (mg/m³)	3160 mg/m³
United Kingdom	WEL TWA (ppm)	1000 ppm
United Kingdom	WEL STEL (mg/m³)	3950 mg/m³
United Kingdom	WEL STEL (ppm)	1250 ppm

James Bandit	
DNEL/DMEL (additional information)	
See http	//www.dguv.de/ifa/de/gestis/limit_values/index.jsp: Information on ingredients.

James Bandit

Safety Data Sheet

according to Regulation (EC) No. 453/2010

1,3-dioxolane (646-06-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, inhalation	19 mg/m ³
Dimethoxymethane (109-87-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	17,9 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	126,6 - 132 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	18,1 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	31,5 mg/m ³
Long-term - systemic effects, dermal	18,1 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	14,5 mg/l
PNEC aqua (marine water)	1,48 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	13,135 mg/kg dw
PNEC sediment (marine water)	1,3135 mg/kg dw
PNEC (STP)	
PNEC sewage treatment plant	4,65 mg/l

8.2. Exposure controls

Personal protective equipment	: Protect eyes, face and skin from liquid splashes. Avoid all unnecessary exposure. Avoid contact with skin, eyes and clothing. Safety glasses. Gloves.
Hand protection	: Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Use neoprene or rubber gloves. Time of penetration is to be checked with the glove producer
Eye protection	: Chemical goggles or safety glasses. Eye protection should only be necessary where liquid could be splashed or sprayed
Skin and body protection	: If repeated skin contact or contamination of clothing is likely, protective clothing should be worn. Repeated dermal contact with material can lead to defatting of the skin.
Respiratory protection	: No special protection required where adequate ventilation is maintained



Other information	: Do not eat, drink or smoke during use. The information in this section applies to the undiluted product.
-------------------	--

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless.
Odour	: Solvents.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 35 °C
Flash point	: -18 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Highly flammable liquid and vapour
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0,92 g/cm ³
Solubility	: Material insoluble in water.
Log Pow	: No data available

James Bandit

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Viscosity, kinematic	: No data available
Viscosity, dynamic	: < 50 mPa.s (20C)
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture. The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Ignition sources. Sparks. Heat. Open flame.

10.5. Incompatible materials

Oxidizing agent. Strong acids.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Dimethoxymethane (109-87-5)	
LD50 oral rat	6453 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: Not classified Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met

James Bandit	
Viscosity, kinematic	54,34782609 mm²/s

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met. With the product as such no toxicological tests have been done. According to the criteria of art. 6 from 1999/45/EC or art. 3 from (EC) Nr. 1272/2008 [CLP] this product is classified as mentioned in section 2. Components that are toxic are mentioned in section 3.

James Bandit

Safety Data Sheet

according to Regulation (EC) No. 453/2010

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general

: With the product as such no ecological tests have been done. According to the criteria of art. 7 from 1999/45/EC or art. 3 from (EC) Nr. 1272/2008 [CLP] this product is classified concerning the environment as mentioned in section 2. Components that are dangerous to the environment are mentioned in section 3.

Dimethoxymethane (109-87-5)	
LC50 fish 1	6990 mg/kg (96h, Pimephales promelas)
EC50 Daphnia 1	> 500 mg/l (48h)
LC50 fish 2	> 1000 (96h, Brachydanio rerio)
EC50 Daphnia 2	> 1000 mg/l (48h)

12.2. Persistence and degradability

James Bandit	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

James Bandit	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

: Disposal must be done according to official regulations.

Waste disposal recommendations

: This material and its container must be disposed of in a safe way, and as per local legislation. Product as it is : Chemical refuse, To be disposed of as hazardous waste. Empty containers can be dumped after cleaning according to local legislation. Recycling is preferred to disposal or incineration. Empty the packaging completely prior to disposal.

Additional information






: Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials

: Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1993	1993	1993	1993	1993
14.2. UN proper shipping name				
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.
Transport document description				
UN 1993 FLAMMABLE LIQUID, N.O.S. (Dimethoxymethane(109-87-5) ; 1,3-dioxolane(646-06-0)), 3, II, (D/E)	UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II			
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

James Bandit

Safety Data Sheet

according to Regulation (EC) No. 453/2010

ADR	IMDG	IATA	ADN	RID
	Marine pollutant : No			
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 274, 601, 640D
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP1, TP8, TP28
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 33
Orange plates	:



Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE

- Transport by sea

Special provisions (IMDG)	: 274
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP8, TP28
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: B
MFAG-No	: 127

- Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3H

- Inland waterway transport

Classification code (ADN)	: F1
Special provisions (ADN)	: 274, 61, 64D
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EX, A

James Bandit

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 1
Carriage prohibited (ADN) : No
Not subject to ADN : No

- Rail transport

Classification code (RID) : F1
Special provisions (RID) : 274, 601, 640D
Limited quantities (RID) : 1L
Excepted quantities (RID) : E2
Packing instructions (RID) : P001, IBC02, R001
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T7
Portable tank and bulk container special provisions (RID) : TP1, TP8, TP28
Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 2
Colis express (express parcels) (RID) : CE7
Hazard identification number (RID) : 33
Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out
Raw materials information section 3.
See <http://esis.jrc.ec.europa.eu/index.php?PGM=dat> : Information on ingredients.
Health hazards
See Section 2 & 3 & 11.
Physical hazards
See Section 2 & 10.
Environmental hazards
See Section 2 & 3 & 12.

SECTION 16: Other information

Indication of changes:

2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	
2.2	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Removed	
2.2	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Added	

Abbreviations and acronyms:

James Bandit

Safety Data Sheet

according to Regulation (EC) No. 453/2010

ABM: Algemene Beoordelings Methodiek (NL) / ADR: Accord Européen relatif au transport international des marchandises dangereuses par route / ALG: Allergen / AQTX: Aquatic Toxicity / Atm: Atmosphere (unit of pressure) / bw: bodyweight / C: Ceiling / CAR: Carcinogenic Effects / CAS No: Chemical Abstracts Service Number (see ACS – American Chemical Society) / CMRs: Carcinogenic, Mutagenic or toxic to Reproduction (substances) / CSR: Chemical Safety Report / Cc (cm3): Cubic Centimeter / DNEL: Derived No-Effect Level / EC50: half maximal effective concentration / ED50: Effective Dose 50 / ET50: Exposure Time 50 / I.V.: Intravenous / Kg: Kilogram / LC: Lethal Concentration / LC50: Median Lethal Concentration / LCLO: Lowest Lethal Airborne Concentration Tested (see also LC50, LD50) / LD: Lethal Dose / LD50: Median Lethal Dose / LDLO: Lowest Lethal Dose Tested (see also LC50, LD50) / MAC: Maximum Allowable Concentration / MAK: Maximale Arbeitsplatz-Konzentration (Germany, Maximum Workplace Concentration, see OEL) / MSDS: Material Safety Data Sheet / NOAEL: No Observed Adverse Effect Level / NOEL: No Observable Effect Level / OEL: Occupational Exposure Limits / PBTs: Persistent, Bioaccumulative and Toxic substances / PEC: Predicted Environmental Concentration / PNEC: Predicted No-Effect Concentration / REACH: Registration, Evaluation, Authorisation and Restriction of Chemical substances / STEL: Short-Term Exposure Limit / STEV: Short-Term Exposure Value / STP: Sewage Treatment Plant TLM: Threshold Limit, Median / TLV-C: Threshold Limit Value-Ceiling / TLV®: Threshold Limit Value / TWA: Time-Weighted Average / WGK: Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act) / g/gms: Grams / kJ/mol: Kilojoules per mole / kPa: KiloPascal (unit of pressure) / m3: Cubic Meter / mg: Milligram / ml: Milliliter / ml Hg: Milliliters of Mercury / n.o.s.: Not Otherwise Specified / nm: nanometer / ppb: Parts Per Billion / ppb: parts per hundred (= percent) / ppm: Parts Per Million / ppt: parts per trillion / vPvBs: Very Persistent and Very Bioaccumulative substances

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information

: None. DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of R-, H- and EUH-statements:

Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour
R11	Highly flammable
F	Highly flammable
ERC8a	Wide dispersive indoor use of processing aids in open systems
PC35	Washing and cleaning products (including solvent based products)
PROC10	Roller application or brushing
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
SU21	Consumer uses: Private households (= general public = consumers)
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SDS EU (REACH bijlage II)/15.1.0.3

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product