

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Article no.: 1355
Date of print: 18.11.2011

Separator Spray (1355)
Revision date: 13.04.2011

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1. Identification of the substance/ preparation and of the company/ undertaking

Article no. (manufacturer / supplier): 1355
Identification of the substance or preparation: Separator Spray (1355)
Supplier (manufacturer/importer/downstream user/distributor):
Diamant Metallplastic GmbH
Hontzlarstrasse 12 Telephone: +49/2166/9836-0
41238 Mönchengladbach Telefax: +49/2166/83025
Dept. responsible for information:
Labor E-mail (competent person): hotline@diamant.ph
Emergency telephone: +49/2166/9836-0
Only available during office hours.

2. Hazards identification

Hazard designation:



F+ Extremely flammable



Xn Harmful



N Dangerous for the environment

Information pertaining to special dangers for human and environment

12 Extremely flammable
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
67 Vapours may cause drowsiness and dizziness.

3. Composition/ Information on ingredients

chemical characterization (preparation)

Description: Separator in liquid hHydrocarbon

Hazardous ingredients:

EC No:	Identification of the hazard:	danger symbol(s):	% by weight
CAS No.:	R phrases:	Remark:	
INDEX no.:	REACH No:		
203-448-7	butane	F+	25 - 50
106-97-8	12	*	
601-004-00-0			
265-151-9	Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen	Xn,F,N	25 - 50
64742-49-0	treated naphtha		
649-328-00-1	11-38-51/53-65-67		
200-827-9	propane	F+	10 - 25
74-98-6	12	*	
601-003-00-5			

Additional information

* Substance with a common (EC) occupational exposure limit value.Full text of R-phrases: see section 16.

4. First-aid measures

General information:

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

after inhalation:

Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration.

In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do

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not use solvents or thinners.

In case of eye contact:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

After ingestion:

Never give anything by mouth to an unconscious person or a person with cramps. Consult physician immediately. Keep victim calm. Do not induce vomiting.

5. Fire-fighting measures

Suitable extinguishing media:

alcohol resistant foam, Carbon dioxide, Powder, spray mist, (water)

Extinguishing media which must not be used for safety reasons:

Strong water jet

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage. Contains gas under pressure; may explode if heated.

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

6. Accidental release measures

Personal precautions

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

Measures to protect the environment

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

methods for cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents. Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

7. Handling and storage

Handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protective equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Precautions against fire and explosion:

Vapours are heavier than air and will spread at floor level. Vapours form explosive mixtures with air.

Additional information:

Do not spray on naked flames or any incandescent materials.

Storage

Requirements for storerooms and containers:

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not

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empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Store only in original container.

hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

8. Exposure controls / Personal protection

Technical measures to prevent exposure

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

EC No: CAS No.:	Description:	type:	Limit value		unit
			STEL (EC)	TWA (EC)	
200-827-9 74-98-6	propane			1800	mg/m3
				1000	ppm
203-448-7 106-97-8	butane		1810	1450	mg/m3
			750	600	ppm

Additional information

Stated values are taken from the then applicable German TRGS 900 or the German VCI table for exposure limit values.

TWA (EC): Occupational exposure limit value

STEL (EC): Short term occupational exposure limit value

Occupational exposure controls:

Respiratory protection:

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection:

For prolonged or repeated handling the following glove material must be used: nitrile rubber or butyl rubber. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin: Recommended glove articles: DIN EN 374 Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

eye protection:

Wear closely fitting protective glasses in case of splashes.

Body protection:

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures:

After contact clean skin thoroughly with water and soap oder use appropriate cleanser.

9. Physical and chemical properties

Appearance:

Physical state: liquid

Paint: as labeled

Odour: like aromatic hydrocarbones

Safety relevant basis data	unit	Method	Remark:
Flash point:	0 °C	DIN 53213	
Ignition temperature (AIT):	260 °C		
lower explosion limit:	1,0 Vol-%		
Upper explosion limit:	15,0 Vol-%		
Vapour pressure at 20 °C:	3,50 mbar		
density at 20 °C:	1,000 g/cm³		
Water solubility (g/l):	insoluble		
pH at 20 °C:	7,00		
Viscosity at 000 °C			
Solvent separation test (%):	< 3 %		

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Solid content (%):	% by weight
solvent content:	
Organic solvents::	100 % by weight
Water:	0 % by weight

10. Stability and reactivity

Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures. Keep away from heat.

Materials to avoid

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

11. Toxicological information

No data on preparation itself available.

Practical experience

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties:

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

12. Ecological information

Overall evaluation:

There is no information available on the preparation itself.
Do not allow to enter into surface water or drains.

Results of PBT assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 15 for details.

13. Disposal considerations

Appropriate disposal / Product

Recommendation:

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

Control report for waste code/ waste marking according to EAKV:

Contaminated packaging:

Recommendation:

Cleaned containers may be recycled. Vessels not properly emptied are special waste.

14. Transport information

Transport according to ADR/RID, IMDG and ICAO/IATA.

Land transport (ADR/RID)

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Class: 2.1
Hazard label: 2.1
UN-No.: 1950
Proper Shipping Name: Aerosols, flammable
Packing Group: not applicable
Tunnel restriction code: D

Sea transport (IMDG)

Class: 2.1
Hazard label: 2.1
EmS-No.: F-D, S-U
UN-No.: 1950
Proper Shipping Name: AEROSOLS
Packing Group: II
Marine pollutant: p

Air transport (ICAO-TI / IATA-DGR)

Class: 2.1
Hazard label: 2.1
UN-No.: 1950
Proper Shipping Name: Aerosols, flammable
Packing Group: not applicable

15. Regulatory information

EU legislation

Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

Labelling (67/548/EEC or 1999/45/EC)

Danger symbol(s) and danger term(s) for dangerous materials and preparations:



F+ Extremely flammable



Xn Harmful



N Dangerous for the environment

Contains:

Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha

R phrases:

12 Extremely flammable
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
67 Vapours may cause drowsiness and dizziness.

S-phrases:

16 Keep away from sources of ignition - No smoking.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
51 Use only in well-ventilated areas.
61 Avoid release to the environment. Refer to special instructions / safety data sheet.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Special provisions concerning the labelling of certain mixtures

96 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
97 Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Other regulations (EU):

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Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/l) ISO 11890-2: 725
VOC-value (in g/l) ASTM D 2369: 725

National regulations

Informations on working limitations:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Substance/product listed in the following inventories:

AICS keine Information (AICSK-EN.rtf)

DSL keine Information (DSLK-EN.rtf)

IECSC keine Information (IECSCK-EN.rtf)

KECI keine Information (KECIK-EN.rtf)

MITI keine Information (MITIK-EN.rtf)

PICCS keine Information (PICCSK-EN.rtf)

No information of listing in TOXIC SUBSTANCES CONTROL ACT (TSCA)

16. Other information

Wording of the r-phrases under paragraph 3:

12 Extremely flammable
11 Highly flammable
38 Irritating to skin.
51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65 Harmful: may cause lung damage if swallowed.
67 Vapours may cause drowsiness and dizziness.

Further remarks:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.