Material Safety Data Sheet

(Tnr -732-EU2)

Toner Type : ODK-8 / ODY-8 / ODC-8 / ODM-9

For Models : C810 / 830
C801 / 821
C3300 / 3400 / 3450
C3600
C5600 / 5700 / 5800/ 5900
C5650 / 5750 / 5850 / 5950
C8600 / 8800
C3520 MFP / C3530 MFP
C5550 MFP
MC350 / MC360
MC560
MC860
ES2232a4 / ES2632a4
ES5460
ES8430
ES8460

Oki Data Corporation

SAFETY DATA SHEET

Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC

TUFTONE ODY-8

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

Product name	:	**TUFTONE ODC-8**
Code	:	**264275 / 2.027 V TON**
Chemical product name	:	**Proprietary mixture.**
Manufacturer	:	**Oki Data Corporation** **4-11-22, Shibaura, Minato-ku,TOKYO,108-8551 JAPAN** **Tel. +81-3-5445-6106. Fax +81-3-5445-6177**
Supplier	:	**Oki (Europe) Ltd.** **1 Oki Way, Wardpark , Cumbernauld G68 0FQ, SCOTLAND, UK** **Tel. +44(0) 1236 502502**
Emergency telephone nun	:	**Tel. +44(0) 1236 502502**
Emergency e-mail contact	:	**MSDSQuestions@okieurope.com**
Material uses	:	**For electrophotographic printing systems**

2. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : **Not classified.**

See section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

Substance/preparation : **Preparation**

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients, in accordance with EU or national regulations.

4. First aid measures

First aid measures

Inhalation : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion : Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Special exposure hazards : No specific hazard.
Not available.

Hazardous thermal decomposition products : These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2 etc.), halogenated compounds, hydrogen chloride. Some metallic oxides.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions and clean-up methods : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Note : see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Wash thoroughly after handling.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended : Use original container.

Germany - Storage code : Not available.

8. Exposure controls/personal protection

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Recommended: Approved/certified disposable particulate dust mask.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
>8 hour/hours (breakthrough time): butyl rubber

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Recommended: splash goggles , safety glasses with side-shields

Skin protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Body: Recommended: lab coat , overall

Remark : The penetration-time of the recommended gloves depend not only on the material. Also other factors may have influence on the penetration-time , as the thickness of them or the specific use or conditions (temperature). In any case, certificate materials (for example following EN 374) should be selected. Please ask your supplier, if the gloves are suitable for the intended use.

9. Physical and chemical properties

Appearance

Physical state (20ºC) : Solid. (Powder.)
Color : Yellow.
Odor : Odorless.
Odor threshold : Not available.

pH : Not applicable.

Boiling point : Not available.

Melting point : Not available.

Dropping Point : Not available.

Flash point : The lowest known value is Closed cup: 198.85°C (389.9°F). (paraffin)

Explosive properties : Explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.

Solubility : Insoluble in cold water, hot water.

Dispersibility properties : Not dispersible in cold water, hot water.

10. Stability and reactivity

Stability : The product is stable.

Hazardous decomposition : These products are halogenated compounds, hydrogen chloride.

Other information : -

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards. OECD 404

Eye contact : No known significant effects or critical hazards.

Acute toxicity

Ingredient name	Test	Result	Route	Species
Proprietary mixture.	LD50	>2000 mg/k	Oral	Rat

Additional information : -

Potential chronic health effects

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Other information : May cause mechanical irritation (CARNAUBA WAX)

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Target organs : Contains material which causes damage to the following organs: upper respiratory tract, skin, eye, lens or cornea.

12. Ecological information

Other ecological information

Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

European waste catalogue : -

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Remark : In case a EWC-No. is assigned this depends on the intended use of the product. Please choose together with your waste disposer the correct EWC-No.

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not regulated.	-	-	-	-	-
ADNR Class	Not regulated.	-	-	-	-	-
IMDG Class	Not regulated.	-	-	-	-	-
IATA Class	Not regulated.	-	-	-	-	-

15. Regulatory information

EU regulations

Hazard symbol/symbol	:	**-**
Risk phrases	:	**This product is not classified according to EU legislation.**
Safety phrases	:	**Not applicable.**
Contains	:	**-**
Product use	:	**Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use. - Industrial applications.**

Other EU regulations

Additional warning phrases	:	**Safety Data Sheet available for professional user on request.**

Germany

Employment restrictions in accordance with section 15b of the Hazardous Substance Ordinance	:	**Not available.**
Hazardous incident ordinance	:	**Not available.**
Hazard class for water	:	**2**

16. Other information

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Oki Data Corporation

SAFETY DATA SHEET

Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC

TUFTONE ODC-8

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

Product name	:	**TUFTONE ODC-8**
Code	:	**264272 / 2.018 V TON**
Chemical product name	:	**Proprietary mixture.**
Manufacturer	:	**Oki Data Corporation** **4-11-22, Shibaura, Minato-ku,TOKYO,108-8551 JAPAN** **Tel. +81-3-5445-6106. Fax +81-3-5445-6177**
Supplier	:	**Oki (Europe) Ltd.** **1 Oki Way, Wardpark , Cumbernauld G68 0FQ, SCOTLAND, UK** **Tel. +44(0) 1236 502502**
Emergency telephone nun	:	**Tel. +44(0) 1236 502502**
Emergency e-mail contact	:	**MSDSQuestions@okieurope.com**
Material uses	:	**For electrophotographic printing systems**

2. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : **Not classified.**

See section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

Substance/preparation : **Preparation**

Hazardous ingredients :

Chemical name*	%	EC number	Classification
copper, [29h,31h-phthalocyaninato(2-)-n29,n30,n31,n32]-,(sp-4-1)- See section 16 for the full text of the R-phrases declared above	2.5 - 5	205-685-1	Not classified.

Following European Directives and National Regulations, only the dangerous ingredients are disclosed in the above table.

Occupational exposure limits, if available, are listed in section 8.

4. First aid measures

First aid measures

Inhalation : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion : Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Special exposure hazards : No specific hazard.
Not available.

Hazardous thermal decomposition products : These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2 etc.), halogenated compounds, hydrogen chloride. Some metallic oxides.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions and clean-up methods : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Note : see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Wash thoroughly after handling.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended : Use original container.

Germany - Storage code : Not available.

8. Exposure controls/personal protection

Exposure limit values

Ingredient name	Occupational exposure limits
copper, [29h,31h-phthalocyaninato(2-)-n29,n30,n31,n32]-, (sp-4-1)-	TRGS900 MAK (Germany, 8/2004). Spitzenbegrenzung: 4 mg/m3 15 minute/minutes. Form: Inhalable fraction TWA: 1 mg/m3 8 hour/hours. Form: Inhalable fraction

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Recommended: Approved/certified disposable particulate dust mask.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
>8 hour/hours (breakthrough time): butyl rubber

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Recommended: splash goggles , safety glasses with side-shields

Skin protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Body: Recommended: lab coat , overall

Remark : The penetration-time of the recommended gloves depend not only on the material. Also other factors may have influence on the penetration-time , as the thickness of them or the specific use or conditions (temperature). In any case, certificate materials (for example following EN 374) should be selected. Please ask your supplier, if the gloves are suitable for the intended use.

9. Physical and chemical properties

Appearance

Physical state (20ºC) : Solid. (Powder.)
Color : Blue.
Odor : Odorless.
Odor threshold : Not available.

pH : Not applicable.

Boiling point : Not available.

Melting point : Not available.

Dropping Point : Not available.

Flash point : The lowest known value is Closed cup: 198.85°C (389.9°F). (paraffin)

Explosive properties : Explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.

Solubility : Insoluble in cold water, hot water.

Dispersibility properties : Not dispersible in cold water, hot water.

10. Stability and reactivity

Stability : The product is stable.

Hazardous decomposition : These products are halogenated compounds, hydrogen chloride.

Other information : -

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards. OECD 404

Eye contact : No known significant effects or critical hazards.

Acute toxicity

Ingredient name	Test	Result	Route	Species
Proprietary mixture.	LD50	>2000 mg/k	Oral	Rat

Additional information : -

Potential chronic health effects

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Other information : May cause mechanical irritation (CARNAUBA WAX)

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Target organs : Contains material which causes damage to the following organs: upper respiratory tract, skin, eye, lens or cornea.

12. Ecological information

Other ecological information

Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

European waste catalogue : -

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Remark : In case a EWC-No. is assigned this depends on the intended use of the product. Please choose together with your waste disposer the correct EWC-No.

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not regulated.	-	-	-	-	-
ADNR Class	Not regulated.	-	-	-	-	-
IMDG Class	Not regulated.	-	-	-	-	-
IATA Class	Not regulated.	-	-	-	-	-

15. Regulatory information

EU regulations

Hazard symbol/symbol : -

Risk phrases : This product is not classified according to EU legislation.

Safety phrases : Not applicable.

Contains : -

Product use : Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.
- Industrial applications.

Other EU regulations

Additional warning phrases : Safety Data Sheet available for professional user on request.

Germany

Employment restrictions in accordance with section 15b of the Hazardous Substance Ordinance : Not available.

Hazardous incident ordinance : Not available.

Hazard class for water : 2

16. Other information

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Oki Data Corporation

SAFETY DATA SHEET

Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC

TUFTONE ODM-9

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

Product name	:	**TUFTONE ODM-9**
Code	:	**KJ10557101 / 1.01**
Chemical product name	:	**Proprietary mixture.**
Manufacturer	:	**Oki Data Corporation** **4-11-22, Shibaura, Minato-ku,TOKYO,108-8551 JAPAN** **Tel. +81-3-5445-6106. Fax +81-3-5445-6177**
Supplier	:	**Oki (Europe) Ltd.** **1 Oki Way, Wardpark , Cumbernauld G68 0FQ, SCOTLAND, UK** **Tel. +44(0) 1236 502502**
Emergency telephone number	:	**Tel. +44(0) 1236 502502**
Emergency e-mail contact	:	**MSDSQuestions@okieurope.com**
Material uses	:	**For electrophotographic printing systems**

2. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : **Not classified.**

See section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

Substance/preparation : **Preparation**

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients, in accordance with EU or national regulations.

4. First aid measures

First aid measures

Inhalation : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion : Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Special exposure hazards : No specific hazard.
Not available.

Hazardous thermal decomposition products : These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2 etc.), sulfur oxides (SO2, SO3 etc.), halogenated compounds, hydrogen chloride. Some metallic oxides.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions and clean-up methods : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Note : see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Wash thoroughly after handling.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended : Use original container.

Germany - Storage code : Not available.

8. Exposure controls/personal protection

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Recommended: splash goggles , safety glasses with side-shields

Skin protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Body: Recommended: lab coat , overall

Remark : The penetration-time of the recommended gloves depend not only on the material. Also other factors may have influence on the penetration-time , as the thickness of them or the specific use or conditions (temperature). In any case, certificate materials (for example following EN 374) should be selected. Please ask your supplier, if the gloves are suitable for the intended use.

9. Physical and chemical properties

Appearance

Physical state (20°C) : Solid. (Powder.)
Color : Red.
Odor : Odorless.
Odor threshold : Not available.

pH : Not applicable.

Boiling point : Not available.

Melting point : Not available.

Dropping Point : Not available.

Flash point : The lowest known value is Closed cup: 198.85°C (389.9°F). (paraffin)

Explosive properties : Explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.

Solubility : Insoluble in cold water, hot water.

Dispersibility properties : Not dispersible in cold water, hot water.

10. Stability and reactivity

Stability : The product is stable.

Materials to avoid : Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition products : These products are halogenated compounds, hydrogen chloride.

Other information : -

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards. OECD 404

Eye contact : No known significant effects or critical hazards.

Acute toxicity

Ingredient name	Test	Result	Route	Species
Proprietary mixture.	LD50	>2000 mg/kg	Oral	Rat

Additional information : -

Potential chronic health effects

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Other information : May cause mechanical irritation (CARNAUBA WAX)

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Target organs : Contains material which causes damage to the following organs: upper respiratory tract, skin, eye, lens or cornea.

12. Ecological information

Other ecological information

Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

European waste catalogue (EWC) : -

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Remark : In case a EWC-No. is assigned this depends on the intended use of the product. Please choose together with your waste disposer the correct EWC-No.

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not regulated.	-	-	-	-	-
ADNR Class	Not regulated.	-	-	-	-	-
IMDG Class	Not regulated.	-	-	-	-	-
IATA Class	Not regulated.	-	-	-	-	-

15. Regulatory information

EU regulations

Hazard symbol/symbols	:	-
Risk phrases	:	This product is not classified according to EU legislation.
Safety phrases	:	Not applicable.
Contains	:	-
Product use	:	Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use. - Industrial applications.

Other EU regulations

Additional warning phrases	:	Safety Data Sheet available for professional user on request.

Germany

Employment restrictions in accordance with section 15b of the Hazardous Substance Ordinance	:	Not available.
Hazardous incident ordinance	:	Not available.
Hazard class for water	:	2

16. Other information

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier,nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Oki Data Corporation

SAFETY DATA SHEET

Conforms to EU Directive 91/155/EEC, as amended by 2001/58/EC

TUFTONE ODK-8

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

Product name	:	**TUFTONE ODK-8**
Code	:	**264273 / 2.018 V TON**
Chemical product name	:	**Proprietary mixture.**
Manufacturer	:	**Oki Data Corporation** **4-11-22, Shibaura, Minato-ku,TOKYO,108-8551 JAPAN** **Tel. +81-3-5445-6106. Fax +81-3-5445-6177**
Supplier	:	**Oki (Europe) Ltd.** **1 Oki Way, Wardpark , Cumbernauld G68 0FQ, SCOTLAND, UK** **Tel. +44(0) 1236 502502**
Emergency telephone number	:	**Tel. +44(0) 1236 502502**
Emergency e-mail contact	:	**MSDSQuestions@okieurope.com**
Material uses	:	**For electrophotographic printing systems**

2. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : **Not classified.**

See section 11 for more detailed information on health effects and symptoms.

3. Composition/information on ingredients

Substance/preparation : **Preparation**

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients, in accordance with EU or national regulations.

4. First aid measures

First aid measures

Inhalation : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion : Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

Extinguishing media

Suitable : Use an extinguishing agent suitable for the surrounding fire.

Not suitable : None known.

Special exposure hazards : No specific hazard.
Not available.

Hazardous thermal decomposition products : These products are carbon oxides (CO, CO2), halogenated compounds, hydrogen chloride. Some metallic oxides.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.

Environmental precautions and clean-up methods : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
If emergency personnel are unavailable, vacuum or carefully scoop up spilled material and place in an appropriate container for disposal by incineration. Avoid creating dusty conditions and prevent wind dispersal.

Note : see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling : Wash thoroughly after handling.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Packaging materials

Recommended : Use original container.

Germany - Storage code : Not available.

8. Exposure controls/personal protection

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls : No special ventilation requirements. Good general ventilation should be sufficient to control airborne levels. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Recommended: Approved/certified disposable particulate dust mask.

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
>8 hour/hours (breakthrough time): butyl rubber

Eye protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.
Recommended: splash goggles , safety glasses with side-shields

Skin protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Body: Recommended: lab coat , overall

Remark : The penetration-time of the recommended gloves depend not only on the material. Also other factors may have influence on the penetration-time , as the thickness of them or the specific use or conditions (temperature). In any case, certificate materials (for example following EN 374) should be selected. Please ask your supplier, if the gloves are suitable for the intended use.

9. Physical and chemical properties

Appearance

Physical state (20°C) : Solid. (Powder.)
Color : Black.
Odor : Odorless.
Odor threshold : Not available.

pH : Not applicable.

Boiling point : Not available.

Melting point : Not available.

Dropping Point : Not available.

Flash point : The lowest known value is Closed cup: 198.85°C (389.9°F). (paraffin)

Explosive properties : Explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.

Solubility : Insoluble in cold water, hot water.

Dispersibility properties : -

10. Stability and reactivity

Stability : The product is stable.

Materials to avoid : -

Hazardous decomposition products : These products are halogenated compounds, hydrogen chloride.

Other information : -

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards. OECD 404

Eye contact : No known significant effects or critical hazards.

Acute toxicity

Ingredient name	Test	Result	Route	Species
Proprietary mixture.	LD50	>2000 mg/kg	Oral	Rat
Carbon black	LD50	>15400 mg/kg	Oral	Rat

Additional information : -

Potential chronic health effects

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Reproductive toxicity : No known significant effects or critical hazards.

Other information : May cause mechanical irritation (CARNAUBA WAX)

Over-exposure signs/symptoms

Inhalation : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Skin : No known significant effects or critical hazards.

Target organs : Contains material which causes damage to the following organs: upper respiratory tract, skin, eye, lens or cornea.

12. Ecological information

Other ecological information

Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

European waste catalogue (EWC) : -

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Remark : In case a EWC-No. is assigned this depends on the intended use of the product. Please choose together with your waste disposer the correct EWC-No.

14. Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
ADR/RID Class	Not regulated.	-	-	-	-	-
ADNR Class	Not regulated.	-	-	-	-	-
IMDG Class	Not regulated.	-	-	-	-	-
IATA Class	Not regulated.	-	-	-	-	-

15. Regulatory information

EU regulations

Hazard symbol/symbols	:	-
Risk phrases	:	This product is not classified according to EU legislation.
Safety phrases	:	Not applicable.
Contains	:	-
Product use	:	Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use. - Industrial applications.

Other EU regulations

Additional warning phrases	:	Safety Data Sheet available for professional user on request.

Germany

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Hazardous incident ordinance	:	Not available.
Hazard class for water	:	2

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