

SAFETY DATA SHEET

Issue date: 05-16-2015

Version #: 01

1. Chemical and company identification

| | | |
|--|---|--------------|
| Name of chemical (Product name) | Tapecoat Pipesaver 200 | |
| Company name | Chase Corporation - Tapecoat Division | |
| Address | 1527 Lyons Street Evanston, IL 60201 United States | |
| Telephone | General Assistance | 800 543-3458 |
| e-mail address | info@chasecorp.com | |
| Emergency telephone number | Chemtrec (US - 24 hrs) | 800 424-9300 |
| | Chemtrec (INTL - 24 hrs) | 703-527-3887 |

2. Hazards identification

GHS classification

| | | |
|------------------------------|---|-------------------|
| Physical hazards | The product is not classified according to GHS. | |
| Health hazards | Carcinogenicity | Category 2 |
| | Specific target organ toxicity, repeated exposure | Category 2 (lung) |
| Environmental hazards | The product is not classified according to GHS. | |

GHS label elements

Symbols



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|-------------------------|--|
| Signal words | Warning |
| Hazard statement | Suspected of causing cancer. May cause damage to organs (lung) through prolonged or repeated exposure. |

Precautionary statement

| | |
|-------------------|--|
| Prevention | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. |
| Response | IF exposed or concerned: Get medical advice/attention. |
| Storage | Store locked up. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |

Other hazards which do not result in classification None known.

Supplemental information None.

Main symptoms and emergency overview

| | |
|---------------------------|---|
| Main symptoms | Coughing. Discomfort in the chest. Shortness of breath. Prolonged exposure may cause chronic effects. |
| Emergency overview | Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. |

3. Composition/information on ingredients

Substance or mixture Mixture

| Components | Gazette notification | | | Concentration (%) |
|--|---|----------|----------|-------------------|
| | CAS Number | ENCS no. | ISHL no. | |
| CARBON BLACK | 1333-86-4 | (5)-5222 | (5)-5222 | 0 - 5 |
| Other components below reportable levels | | | | 95 - 100 |
| Chemical formula | UVCB (1333-86-4) | | | |
| 4. First aid measures | | | | |
| If inhaled | Move to fresh air. Call a physician if symptoms develop or persist. | | | |
| If on skin | Wash off with soap and water. Get medical attention if irritation develops and persists. | | | |
| If in eyes | Rinse with water. Get medical attention if irritation develops and persists. | | | |
| If swallowed | Rinse mouth. Get medical attention if symptoms occur. | | | |
| Most important symptoms/effects, acute and delayed | Coughing. Discomfort in the chest. Shortness of breath. Prolonged exposure may cause chronic effects. | | | |
| Protection of first-aid responders | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. | | | |
| Notes to physician | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. | | | |
| 5. Fire-fighting measures | | | | |
| Extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). | | | |
| Extinguishing media to avoid | Do not use water jet as an extinguisher, as this will spread the fire. | | | |
| Specific hazards | During fire, gases hazardous to health may be formed. | | | |
| Special fire fighting procedures | Use water spray to cool unopened containers. | | | |
| Protection of fire-fighters | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. | | | |
| General fire hazards | No unusual fire or explosion hazards noted. | | | |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. | | | |
| 6. Accidental release measures | | | | |
| Personal precautions, protective equipment and emergency measures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. | | | |
| Environmental precautions | Avoid discharge into drains, water courses or onto the ground. | | | |
| Methods or materials for containment and cleaning up | Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS. | | | |
| 7. Handling and storage | | | | |
| Handling | | | | |
| Technical measures (e.g. Local and general ventilation) | Provide adequate ventilation. | | | |
| Safe handling advice | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. Should be handled in closed systems, if possible. Observe good industrial hygiene practices. Use personal protection recommended in Section 8 of the SDS. | | | |
| Contact avoidance measures | For further information, please refer to section 10 of the SDS. | | | |
| Hygiene measures | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. | | | |
| Storage | | | | |
| Safe storage conditions | Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). | | | |
| Safe packaging materials | Keep in original container. | | | |

8. Exposure controls/personal protection

Occupational exposure limits

Japan. OELs - JSOH (Japan Society of Occupational Health: Recommendation of Occupational Exposure Limits)

| Components | Type | Value | Form |
|---------------------------------|------|---------------------|------------------|
| CARBON BLACK (CAS 1333-86-4) | TWA | 4 mg/m ³ | Total dust. |
| | | 1 mg/m ³ | Respirable dust. |

US. ACGIH Threshold Limit Values

| Components | Type | Value | Form |
|---------------------------------|------|---------------------|---------------------|
| CARBON BLACK (CAS 1333-86-4) | TWA | 3 mg/m ³ | Inhalable fraction. |

Engineering measures

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protective equipment

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection Wear appropriate chemical resistant gloves.

Eye protection If contact is likely, safety glasses with side shields are recommended.

Skin and body protection Use of an impervious apron is recommended.

9. Physical and chemical properties

Appearance

Physical state Solid.

Form Solid. Film.

Color Black

Odor Mild.

pH Not available.

Melting point/Freezing point Not available.

Boiling point, initial boiling point, and boiling range Not available.

Flash point Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Specific gravity 0.94 estimated

Solubility(ies) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity (Coefficient of viscosity) Not available.

Other information

Density 0.94 g/cm³ estimated

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

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|---|---|
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

| Components | Species | Test Results |
|---|--|--------------|
| CARBON BLACK (CAS 1333-86-4) | | |
| Acute | | |
| <i>Oral</i> | | |
| LD50 | Rat | > 8000 mg/kg |
| Skin corrosion/irritation | Prolonged skin contact may cause temporary irritation. | |
| Serious eye damage/eye irritation | Direct contact with eyes may cause temporary irritation. | |
| Respiratory or skin sensitization | | |
| Respiratory sensitization | Not available. | |
| Skin sensitization | This product is not expected to cause skin sensitization. | |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. | |
| Carcinogenicity | Suspected of causing cancer. | |
| ACGIH Carcinogens | | |
| CARBON BLACK (CAS 1333-86-4) | A3 Confirmed animal carcinogen with unknown relevance to humans. | |
| IARC Monographs. Overall Evaluation of Carcinogenicity | | |
| CARBON BLACK (CAS 1333-86-4) | 2B Possibly carcinogenic to humans. | |
| Japan Society for Occupational Health: Carcinogen | | |
| CARBON BLACK (CAS 1333-86-4) | 2B Possibly carcinogenic to humans. | |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. | |
| Specific target organ toxicity - single exposure | Not classified. | |
| Specific target organ toxicity - repeated exposure | May cause damage to organs (lung) through prolonged or repeated exposure. | |

12. Ecological information

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|--------------------------------------|--|
| Ecotoxicity | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| Persistence and degradability | No data is available on the degradability of this product. |
| Bioaccumulation | Not available. |
| Mobility in soil | No data available for this product. |
| Hazardous to the ozone layer | No data available. |
| Other hazardous effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

13. Disposal considerations

Dispose in accordance with all applicable regulations.

| | |
|-----------------------------------|---|
| Residual waste | Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. |
| Local disposal regulations | Contract with a disposal operator licensed by the Law on Disposal and Cleaning. Dispose of contents/container in accordance with local/regional/national/international regulations. When your own wastewater treatment plant is not available, collect entire waste and then charge to a licensed industrial waste management professional with manifests for industrial waste. |

14. Transport information

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

National regulations Follow regulation in section 15 for domestic transportation.

15. Regulatory information

Industrial Safety and Health Act

Notifiable substances

CARBON BLACK 0 - 5.0 %

Labeling substances

Not regulated.

Poisonous and Deleterious Substances Control Act

Specified poisonous substances

Not regulated.

Poisonous substances

Not regulated.

Deleterious substances

Not regulated.

Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.

Class I specified chemical substances

Not regulated.

Class II specified chemical substances

Not regulated.

Monitoring chemical substances

Not regulated.

Priority Assessment Chemical Substances (PACs)

Not regulated.

Reporting Exempted Substances

Not regulated.

Law concerning Pollutant Release and Transfer Register

Specified class 1 substances (substance name, ordinance number and content)

Not regulated.

Class 1 substances (substance name, ordinance number and content)

Not regulated.

Class 2 substances (substance name, ordinance number and content)

Not regulated.

Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule Not regulated.

Air Law, Enforcement Rule Not regulated.

Explosives Control Act

Not regulated.

16. Other information

Bibliography

HSDB® - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity
National Toxicology Program (NTP) Report on Carcinogens
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices
Japan Society for Occupational Health, Recommendation of Occupational Exposure Limits
JIS Z 7252:2009 Classification of chemicals based on "Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"
JIS Z 7253:2012 Hazard communication of chemicals based on GHS – Labelling and Safety Data Sheet (SDS)
Japan Chemical Industry Association (JCIA) GHS Guideline, June 2012

The information offered in this data sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however, no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. This material is intended for industrial use only. No warranty, expressed or implied is made.